

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER . FIL	ING DATE	FIRST NAMED AP	PLICANT	ATTORNEY DOCKET HO.
07/912,005	07/10/92 BURR	?	R.	3390-2030
Ç,,,, <u>,</u> ,			- [EXAMINER
•	•		BOLL I	NGER.D
GREGOR N.	NEFF		APT UN	IT PAPER HUMBER
530 5TH AV)	310	15
NEW YORK,			DATE MAILED) :
	EXAMINER INTE		RY RECORD	09/14/92
All participants (applicant, applic	cant's representative, PTO personnel)			
m David Bol	linger	(3)_ <i>Mr</i>	Robert B	
12) Mr. Grego	× Neff	(4)		
Date of Interview 8/26	192			
Type: Telephonic SPe	rsonal (copy is given to 🔲 applican	nt Bapplicant's rep	presentative).	
Exhibit shown or demonstration	conducted: Yes No. If y	es, brief description:		
	, , , , , , , , , , , , , , , , , , ,			
dentification of prior art discuss	ed: Art of	record.		
Developing of the control polytry	of what was agreed to if an agreeme	ent was reached or or	ny other comments: "\\ 1'\s	cussed the combiner
Description of the dallerst perme		ant was reachted, or an	y umar commands. 223	
of Groves & K	nee 1935. Applic	ant pres	ent materia	L showing
commercial su	cess The Exam	winer ind	icated that	filing a declaration
under 37 CFR 1.	132 showing com	merical s	uccess by pr	cornfation of such
71 5 - 1	1 1	0 47 ()	-1- =1 d 33	(.
A fuller description, if necessa	26. 26. ary, and a copy of the amendments.	I That Sol.	he examiner agreed would r	depend from ender the claims ellowable must be
	f the amendments which would rend			
NOT WAIVED AND MUST IN	CLUDE THE SUBSTANCE OF THE	E INTERVIEW (e.g.,	items 1 - / on the reverse si	O THE LAST OFFICE ACTION IS de of this form). If a response to the ent of the substance of the interview.
It is not necessary for app	olicant to provide a separate record o	f the substance of the	interview.	
Since the examiner's inte raquirements that may b response requirements of	trview summary above (including an e present in the last Office action, a the last Office action.	y attachments) refla and since the claims a	ets a complete response to e re now allowable, this compl	ech of the abjections, rejections and eted form is considered to fulfill the
			Named	H. Dolleryes
PTOL-413 (REV. 1-84)			Examiner's Signature	7

ORIGINAL FOR INSERTION IN RIGHT HAND FLAP OF FILE WRAPPER

RECEIVED

11-14.92

PATENT

3390-2630 001 13 MII: 15.

UNITED STATES PATENT AND TRADEMARK OFFICE (1901)

Robert L. Burr

Serial No.

Applicant

07/912,005

Filed

July 10, 1992

For

TICKET DISPENSER MACHINE AND METHOD

DECLARATION UNDER RULE 132 (37 C.F.R. §1.132)

Robert L. Burr hereby declares and states:

- 1. He is the inventor in the above-identified patent application. He also is President and Chief Executive Officer of Lottery Enterprises, Inc. ("LEI"), 7320 Convoy Court, San Diego, California 92111. He has personal knowledge of the facts stated in this Declaration.
- 2. LEI is making and selling lottery ticket dispensers using the invention disclosed and claimed in this patent application. Specifically, LEI sells the "ITR 7000" line of lottery ticket dispensers shown in Exhibits A, B, C and D which are attached to this Declaration.
- 3. Exhibit A is a photograph of a four-window tabletop model of the ITR 7000 dispenser, each window displaying
 tickets from a different instant-winner lottery ticket game. A
 string of tickets is driven downwardly past each window by an
 electric motor drive system when the customer inserts a bill into
 the machine and presses the button below the window.

- 4. Exhibit B is a floor-model, four-window dispenser shown in a typical installation as part of the Virginia Lottery system.
- 5. Exhibit C is a four-page brochure entitled "ITRO-7000 Instant Ticket Retailer". It shows an eight-window floor model of the ITR-7000 dispenser on the cover, as well as twowindow and four-window models.
- 6. Exhibit D is a booklet entitled "LEI Company Profile" printed July 18, 1992. The last four pages of this booklet comprise a copy of Exhibit C.
- 7. Exhibit E is a copy of a brochure showing the "ITR 5000" Instant Ticket Retailer" sold by Lottery Concepts International, Inc., a predecessor of LEI.
- 8. Exhibit F is a copy of a recent issue of a San Diego, California newspaper reporting on the award of a substantial contract for purchase of ITR 7000 machines from LEI.
- 9. As it is explained on the sixth page of Exhibit D, the LEI Company Profile, the ITR 7000 machine was preceded by the ITR 5000 and the ITR 6000 machines.
- 10. The ITR 5000 had no windows. IT was not successful. It produced little or no increase in sales over prior manual dispensing methods, and was not ordered by any lottery system.
- 11. The ITR 6000 was the first model which had windows. This machine is the one shown in the drawings of this -2-GNN9: 2030 DEC

patent application. The windows, with the tickets moving past them while being dispensed, proved to be a major improvement. The sales of tickets from a vending machine such as that shown in the patent application drawings showed substantial increases over sales using prior methods. However, the dispensing mechanism needed revision to make it simpler, more compact and reliable.

- 12. In the ITR 7000 machine, the windows feature from the ITR 6000 were kept, but the dispensing mechanism was replaced and improved. The ITR 7000, like the ITR 6000, has a housing with at least one window through which tickets can be seen but not touched by a person outside the housing. The ITR 7000 has electrically-powered means for moving a continuous strip of the tickets past the window and dispensing a pre-determined number of them to an operator. The windows continued to be a major factor in the improved sales of the dispenser as compared with prior methods.
- 13. As it is explained on the third page of Exhibit D, the Company Profile, the ITR 7000 went into production in June of 1990. Subsequently, tests were performed on the machines by a number of state lottery systems in a substantial number of states. As it is explained on page four of Exhibit D, the tests showed that the ITR 7000 increased sales by from 2 to 10 times over the prior sales methods. A summary of some of the tests conducted is given on page five of Exhibit D.

- 14. Field tests of the ITR 7000 started in the initial September of 1990. In March 1991, the Virginia Lottery awarded LEI a contract to supply 2,000 units at a cost of more than \$4,000 each.
- 15. The results of tests conducted on behalf of the Virginia Lottery by Scientific Games, Inc., an independent organization, to determine the sales increases produced by the ITR 7000 in use in Virginia are shown on page seven of Exhibit D. The average sales increase achieved was 186.5 percent.
- 16. The results of similar tests conducted by the Washington Lottery and the Pennsylvania Lottery are shown on pages eight and nine of Exhibit D. Those tests also showed very substantial sales gains over prior methods.
- 17. Subsequent to the contract award by the Virginia Lottery, contracts have been awarded to LEI to supply the ITR 7000 machines to the state lotteries in Delaware, Colorado, Vermont and California. The numbers of units to be ordered in Delaware, Colorado and Vermont is open-ended, with some of the initial quantities being set forth on page 3 of Exhibit D.
- 18. The California order alone requires LEI to deliver around fifteen million dollars worth of the machines by November 1, 1992.
- 19. When LEI started business, it had no sales of any product. The ITR 7000 was its first and only product. Its sales have been achieved with only relatively modest expenditures for GNN9:2030.DEC -4-

advertising, publicity and selling, due to the lack of funds by our fledgling enterprise. It is my belief that any commercial success we have had is due mostly to the merits of the ITR 7000 equipment.

20. I also believe that, although the success of the ITR 7000 is not due exclusively to the use of the windows invention of this patent application, the windows invention has played a major role in such success. The feature frequently is mentioned by state lottery personnel as an important feature, and field tests, starting with the ITR 6000, consistently have shown that the windows invention attracts attention, gives confidence and information to the ticket buyer, and greatly enhances the chances of convincing the customer to make what is basically an impulse purchase.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may

jeopardize the validity of the application or any patent issued thereon.

ate: 60/25 , 1997

Robert L. Burr

Exhibit A

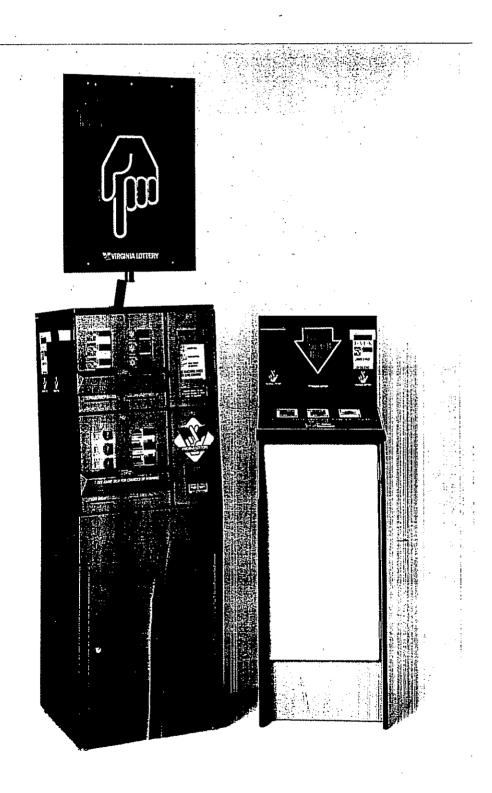


Exhibit B

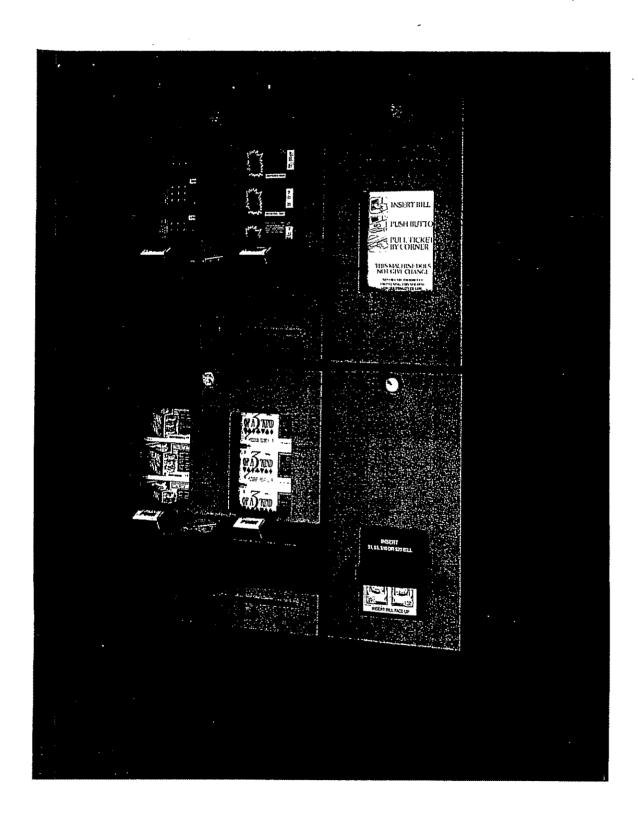
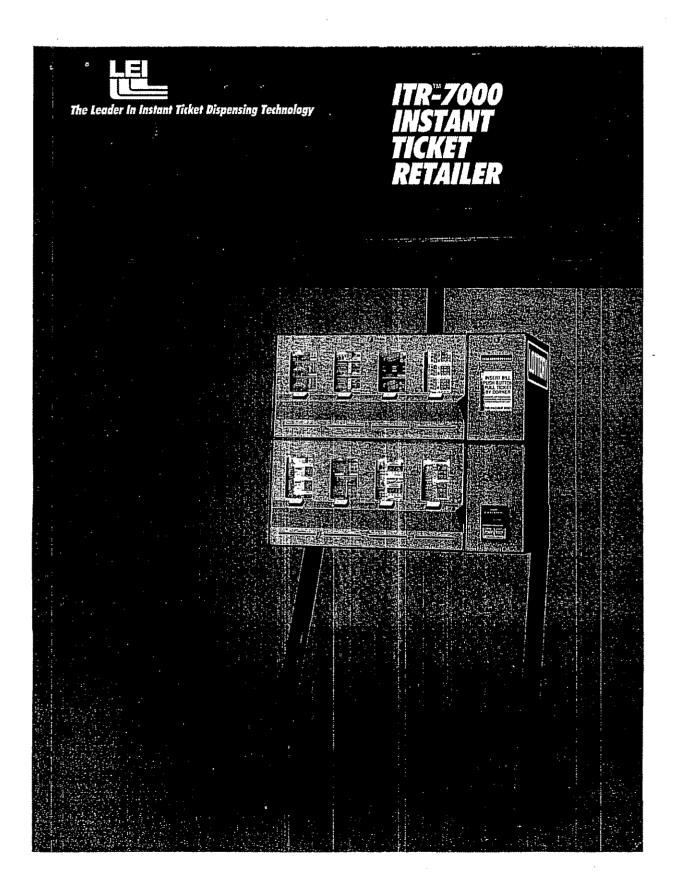


Exhibit C



A TROUBLE-FREE DISPENSER WITH SPLIT-SECOND SPEED.

he consumer-activated INSTANT TICKET RETAILER (model ITR**-7000) opens up uncharted marketing opportunities for retalling instant lottery tickets. The ITR"-7000 is designed to streamline the marketing of instant lottery tickets by opening up new markets which heretofore have not been available to lotteries. Specifically, these markets can be identified as those where sales now exist but at a level far below potential (typically food chain stores, liquor stores, etc) and locations where potential exists but instant tickets are not being offered for sale (private clubs, bars, mails, etc).

The ITR™-7000 is simple to operate. The customer inserts a dollar bill, in any denomination of one, five, ten or twenty dollars and makes a selection from one to eight separate games. It's simple. It's convenient. And it's secure. Additionally, each ITR™-7000 dispensing unit stores up to 3,000 tickets for a maximum of 24,000 tickets per machine. This coupled with the fact that it keeps track of

all the accounting and inventory of each game and tied in with the LEI FILE SERVER™ will alert the lottery in ample time to replenish ticket stock when it becomes low and will make distribution of tickets routine.

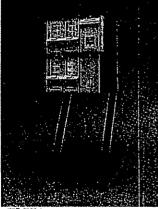
The ITR™-7000 has an optional attention-getting LED scrolling sign to attract impulse buyers. The sign is loaded from the LEI FILE SERVER** at Lottery headquarters or other remote locations to promote special games or winning jackpots.

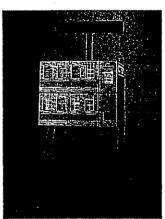
The ITR"-7000 is available in four convenient models. All include standard bill acceptors and/or optional coin acceptors (see -C). the -2 houses two dispensers, the -4 houses four dispensers, the -6 houses six dispensers and the -8 houses eight dispensers. All models are available as counter tops, wall mounts or stand-alone terminals. The stand-alone models offer two options: Twin-L legs or security storage cabinet.

Ouite simply, LEI's ITR™-7000 will revolutionize the way you'll market Instant Lottery Tickets.

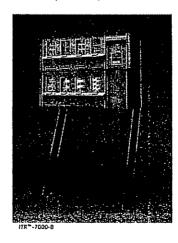


ITR"-7000-2-C Shown with optional coin acceptor





ITR*-7000-8-5 Shown with optional LED display







BY: Agent Classification Geographical

- LED Sign Downloadable
- Total Accounting And Inventory Control
- Increased Efficiency And Cost Effective Marketing

FOR: Promotion incentive Programs Advertising

 Messages On Terminal Downloadable From Central Computer

FOR: Individual Agents or all the Agents

- Complete Close-out Of Game
- Total Control Of System (via dial-up communication)
- Real Time Clock (allows automatic communications)
- Information Contained In ITR™
- Battery Backup (in the event of power loss)
- Daily Inventory And Sales Reports (insure ticket availability)
- No Out Of Stock Situations
- Opportunity For New Sales Outlets

Current day sales
Dally sales for two days
Weekly sales for two weeks
Invoices

- Automatic Reordering Of Tickets
- Point Of Sale Advertising
- Hard Copy Sales Reports
- RS232 Port For Central Control
- Ability To Sell Tickets Anywhere
- Ergonomically Designed Unit
- Automatic Agent ID Imprint (optional)
- Easy To Operate
- Consumer Oriented
- Holds 3,000 Instant Tickets For Each Clame
- Small Footprint
- Does Not Require A Sales Clerk
- Contains Its Own Cash Compartment
- Double Security Locks
- Heavy Steel Construction
- Multi-game Sales (up to 8 games unit)

TO THE CONSUMER

- Availability
- Convenience
- · Ability to Purchase A Ticket Anywhere
- Ease Of Purchase
- Choice Of Instant Lottery Game



ITR"-7000 VERSATILITY

Standard bill acceptor with installation of optional coin acceptor greatly enhances ticket buyer convenience by offering a multitude of currency choices.



	Height	*Width	Depth
ITR™_700Q-2	27.25"	15.25"	18.0"
ITR™-7000-4	27.25"	21.25"	18.0"
ITR™-7000-6	27.25"	27.25"	18.0"
ITR™-7000-8	27.25"	33.25"	18.0"

115 or 240V AC 47 or 60 Hz 2 Amp *Optional coin acceptor (-C) adds 4.0" to overall width.



ITR"-7000 VERSATILITY
Accepts any size tickets with widths from 2" to 4" and lengths from 11/4" to 6".

LEI FILE SERVER"

As depicted in the diagram, every ITR **-7000 is capable of interrogating over thirty other ITR **-7000's via its smart modem. This feature permits the central PC (at Lottery headquarters or other remote locations) to collect all of the sales and inventory information from any one city or local with a single phone call, thus reducing the necessity of tying up a large number of 800 or WATS lines. Considering connect time, it is estimated that a PC with dual modems can interrogate over 21,000 ITRs ** in a seven hour time span. All communications are done on a dial-up basis eliminating costly dedicated phone lines.

Timely reports are broken down into agent categories, i.e. convenience stores, bars, nightclubs, etc, and also by geographic location. This permits the lottery to pinpoint advertising, agent training or special promotions.

In addition, special messages may be automatically downloaded to the optional LED sign during the interrogation of the ITR¹⁴. Messages may be sent to specific agents or to the entire state.

Central FC Modem Modem ITR ITR ITR ITR ITR

Lottery Enterprises, Inc.

Corporate Headquarters
7372 Convoy Court
San Diego, California 92111
Tel. (619) 569-5266 Fax (619) 569-9157
Toll Free (800) 879-1TR7
(800) 879-4877

East Coast Office 74 Branch St. #17 Scituate, Massachusetts 02066 Tel. [617] 545-4829 Fax [617] 545-4477



Exhibit D

Case 1:04-cv-00138-JJF Document 158-3 Filed 12/09/2005 Page 18 of 81

COMPANY

PROFILE

CORPORATE

HEADQUARTERS: LOTTERY ENTERPRISES, INC.

7320 Convoy Court.

San Diego, CA 92111 USA Phone: (619) 569-5266 Fax: (619) 569-9157 Tech. Support (800) 487-7009

EAST COAST OFFICE:

LOTTERY ENTERPRISES, INC.

74 Branch Street # 17

Scituate, MA 02066 USA Phone: (617) 545-4829 Fax: (617) 545-4477

VIRGINIA OFFICE:

LOTTERY ENTERPRISES, INC.

1206 Willard Road

Suite 103

Richmond, VA 23294 USA Phone: (804) 755-8702 Fax: (804) 672-7661

KEY PERSONNEL:

Robert L. Burr, President & CEO

John F. Winchester, Executive Vice President

Catherine Winchester, Director of Marketing, Western Region

John L. Winchester, Director of Marketing, Eastern Region

Robert Cooley, Director of Research and Development

Don Wesser, Director of Manufacturing

Leon Ostapiej, Director of Quality

Paul D. Alvarez, Technical Manager, Western Region

Herb Herrmann, Director of Engineering

William McAdaragh, Service Manager, Virginia Operations

Ļ

Lottery Enterprises, Inc. has been manufacturing the ITR[™]-7000 series Instant Ticket Dispensing machines since June 1990. The ITR[™]-7000 series is a third generation machine, preceded by the ITR[™]-7000 and ITR[™]-6000 terminals which have been in various field tests since 1986. For the Oregon Lottery, we are proposing our fourth generation model, the ITR[™]-7500.

Manufacturing facilities are located at the corporate address. The top management of the company has been involved in design concepts, engineering and production of vending machines since 1976. This has included video amusement machines, video poker, keno and quarter horse gaming machines. Since 1985, the management has exclusively designed, manufactured, marketed and field tested lottery instant ticket vending machines.

LEI has 292 man years experience in the Lottery Industry, high technology field and the vending/gaming machine industry.

Lottery Enterprises, Inc. was incorporated in March of 1990. Production of the ITR™-7000 series Instant Ticket Retailer terminal began in June of 1990.

- Field testing commenced in September 1990 resulting in a contract with the Virginia Lottery on March 25, 1991 for the installation of 2,000 ITRs*.
- LEI was awarded the contract to supply the Delaware Lottery with the ITR[™] -7000 system.
 Fifty (50) terminals were be delivered in June. An Additional fifty (50) are scheduled for July with follow-up delivery as required.
- In May 1992 the Colorado Lottery purchased terminals for installations in casinos in the gaming towns of Black Hawk and Cripple Creek and other age-controlled environments.
- In June 1992 LEI was informed of a successful bid with the Vermont Lottery. The first one hundred (100) units will be delivered in August, 1992.
- LEI was notified in July 1992 as being the apparent successful winner for implementing 2,000 ITVMs for the California Lottery, with an option on an additional 4500 terminals.

- ✓ Active negotiations are continuing with Maine, Indiana, Washington D.C. and Kansas.
- ✓ A three month, 20 unit test recently completed in Western Canada in February of 1992.
- ✓ A 20 unit test began in July 1992 with the Ontario Lottery.
- ✓ Testing in Iceland began in January of 1992. Australia, Spain, Checzolsovakia, England are scheduled for field test in 1992.

The ITR*-7000 series of Instant Ticket Retailers have been proven to increase tickets sales from 2 to 10 times in those locations which sold lottery tickets either over the counter or manually such as supermarkets and convenience stores. Additionally, it has opened up new markets which heretofore have not been available to lotteries. Specifically, these markets can be identified as private clubs, bars, airports, restaurants, hospitals and shopping malls.

The following is a breakdown of tests conducted by LEI with Lotteries around the world:

NAME OF LOTTERY OR ORGANIZATION	NUMBER OF ITRs"	TEST BEGAN	TEST ENDED
British Columbia	2	9/91	1/92
California	40	3/92	5/92
Safeway (CA)	2	7/91	9/91
Colorado	3	4/91	7/91
Delaware	4	7/91	11/91 ⁻
Washington DC	3	10/90	11/90
Iceland	1	1/91	present
Idaho	4	10/90	12/90
Hoosier Lottery	6	9/90	3/91
Marsh Supermarkets (IN)	4	2/91	8/91
Village Pantry (IN)	4	2/91	3/91
Kroger Supermarkets (IN)	3	4/92	5/92
Kansas	4	6/91	9/91
Kentucky	6	1/91	4/91
Maine	4	11/90	8/91 ·
Maryland	10	2/91	4/91
Massachusetts	4	10/91	11/91
Minnesota	1	2/92	6/92
New Jersey	2	2/92	4/92
Ohio	6	10/90	1/91
Ontario	15	7/92	present
Pennsylvania	3	5/92	7/92
Vermont	14	9/90	6/91
Washington State	3	12/91	3/92
West Virginia	6	11/91	1/92
Western Canada	20	2/92	5/92

All of these tests were very successful; sales increased from two to ten times over previous sales figures.

EVOLUTION OF THE ITR™

The administration of the Instant Ticket product line has been and continues to be labor intensive, whereas the other product lines offered by the lotteries, namely Lotto, Pick 3/4, by their very nature are technologically advanced. In order to reduce the amount of labor dedicated to the Instant Ticket product line and thus streamline and mechanize the administration of the games, an intensive market research project was initiated by Lottery Enterprises, Inc. personnel in April 1985. Lottery personnel, including Directors, lottery agents and consumers in the United States and Canada were interviewed. The result of our research indicated that the most pressing problems arise in the following areas: accounting, security, agent motivation, marketing, relevant sales statistics and availability of the product. With this information in mind, the Instant Ticket Retailer was designed and manufactured. Each of the problem areas were addressed and became part of the Instant Ticket Dispenser.

Our first Instant Ticket Dispenser, the ITR*-5000 series was agent operated and was field tested in Vermont. It became clear immediately that this was not what the lottery, agent and consumer wanted. The consumer wanted to see the product, and have the ability to activate the terminal and have a choice of games. The agent and lottery concurred and in addition wanted a secure cash drawer.

The results of the initial field research led to the ITR 6000 series. This series incorporated all of the suggestions gleaned from the customer, lottery and lottery agent. The 6000 series was designed to permit viewing of the tickets through a window and handle up to four games. This series was larger and the tickets being dispensed were cut and dropped into a cup; but it was very difficult to maintain the proper bursting measurement, causing tickets to be mutilated. In addition, it was discovered that the majority of consumers wanted to be able to buy an uncut string of tickets and separate them.

The latest design, the ITR[™]-7000 has many advantages and improvements over the 6000. These include:

- The 7000 series machines are half the size of the 6000 series. The largest capacity 8dispenser machine can securely store 24,000 instant tickets in half the size of the 6000 series 4-dispenser machine.
- The 7000 takes up less floor space, to the delight of retailers.
- The 7000 has fewer moving parts.
- Loading and unloading of tickets are automatic.
- No confusing keypad entries are required from the customer. They simply press the appropriate button to dispense their tickets.
- Tickets are dispensed to the consumer who can separate one or a group of tickets, hence, a more reliable method and consumer appeal.
- The 7000 series permits up to eight different games.
- Automatic printing of sales and inventory reports on a daily basis.
- The 7000 procedures are easier for the agent to learn. Training time is minimal.
- The data input menus have been streamlined to make it easier for the agent to do routine procedures.
- All sales reports are printed at the push of a button from the Main Menu. Stepping through confusing menu options to print reports has been eliminated.
- Software upgrades are easier to install, service technicians do not need to be called out. Some agents using the 7000 are doing it themselves now.
- Diagnostic routines are much more advanced providing faster and more reliable troubleshooting operations.
- A modular design provides quick and simple upgrades and module replacements.
- The 7000 series can easily be customized to individual needs of agents.

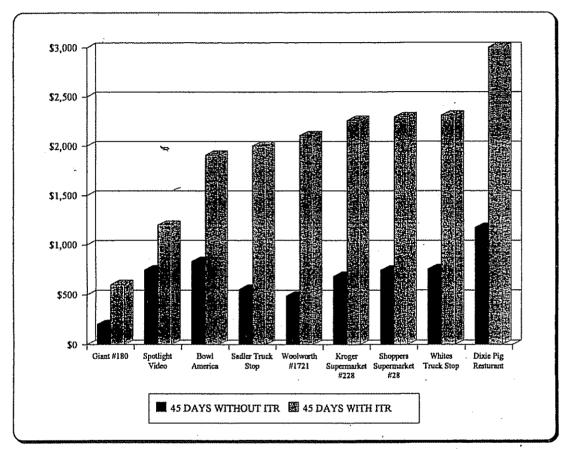
UNIQUE FEATURES OF THE ITR -7000:

- Ability to store and dispense up to eight different games/ 3000 tickets per dispensing unit.
- Automatic printing of daily sales/inventory report at midnight or at the time the agent selects.
- Audit trail report

)

- Dual processors insuring reliability
- High speed dial-up communications procedures
- Programmable attract mode
- Daylight Savings Time setting that will automatically adjust the system time when necessary.
- Programmable CLERK ID numbers. This allows the manager to monitor all access to the machine, with hard copy reports showing the date and time each clerk accessed the machine.
- Hard copy report of lifetime sales from the machine. This figure can only be changed by technician or lottery personnel with proper access code.

VIRGINIA LOTTERY Example of Sales Increases using the ITR-7000



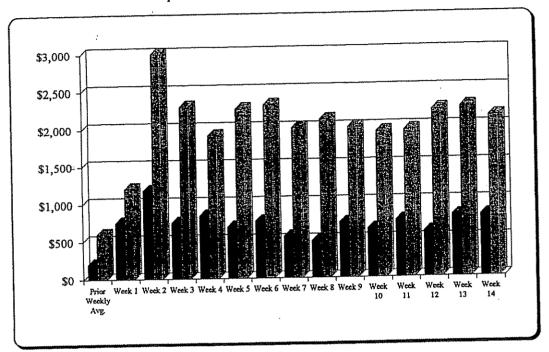
,	45 DAYS WITHOUT ITR	45 DAYS WITH ITR	INCREASE
Giant #180	\$200	\$600	200.00%
Spotlight Video	\$747	\$1,196	60.11%
Bowl America	\$835	\$1,909	12 8 .62%
Sadler Truck Stop	\$551	\$2,000	262,98%
Woolworth #1721	\$ 4 87	\$2,108 -	332.85%
Kroger Supermarket #228	\$684	\$2,260	230.41%
Shoppers Supermarket #28		\$2,295	207.64%
Whites Truck Stop	\$758	\$2,311	204.88%
Dixie Pig Resturant	\$1,171	\$3,024	158.24%
Total sales for test period	i \$6,179	\$17,703	186.50%

This information was compiled by Scientific Games, Inc. resulting from an independent survey in March 1992 Kroger Supermarket #228 data includes 25 days only

Last printed on 3/20/1992

copyright 1992, Lottery Enterprises, Inc.

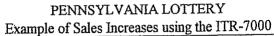
WASHINGTON LOTTERY -Example of Sales Increases using the ITR-7000

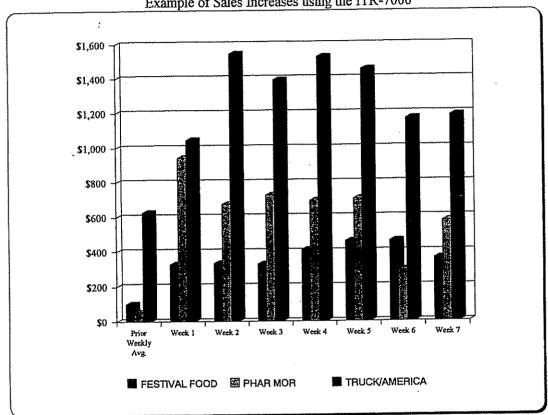


	ALBERTON'S #472	BAYVIEW MARKET
ITR Model Number	ITR-7000-4	ITR-7000-4
	\$600	\$200
Prior Weekly Avg. Week 1	\$1,196	\$747
Week 2	\$3,024	\$1,171
Week 2 Week 3	\$2,295	\$746
Week 4	\$1,909	\$835
Week 5	\$2,260	\$684
Week 6	\$2,311	\$758
Week 7	\$2,000	\$551
Week 8	\$2,108	\$487
Week 9	\$2,005	\$729 \$645
Week 10	\$1,942	\$754
Week 11	\$1,961	\$601
Week 12	\$2,231 \$2,263	\$817
Week 13	\$2,203 \$2,138	\$818
Week 14	\$29,643	\$10,343
Total sales to date for test period:	\$2,117	\$739
Average weekly sales:	•	\$539
\$ Increase over average:	\$1,517	269.39%
% Increase over average:	252.89%	207.0710

^{*} Week 1 was a partial week

L:





	FESTIVAL FOOD	PHAR MOR	TRUCK/AMERICA
ITR Model Number	ITR-7000-4	ITR-7000-4	ITR-7000-4
Prior Weekly Avg.	\$100	\$50	\$625
Week 1	\$326	\$942	\$1,044
Week 2	\$332	\$674	\$1,545
Week 3	\$327	\$726	\$1,390
Week 4	\$411	\$695	\$1,526
Week 5	\$460	\$706	\$1,452
Week 6	\$462	\$292	\$1,167
Week 7	\$360	\$577	\$1,184
Total sales for test period:	\$2,678	\$4,612	\$9,308
Average weekly sales:	\$383	\$659	\$1,330
\$ Increase over average:	\$283	\$609	\$705
% Increase over average:	282.57%	1217.71%	112.75%

Last printed on 7/18/1992

copyright 1992, Lottery Enterprises, Inc.

An Update on

Virginia's Instant Ticket Vending Machines

Prepared by the Virginia Lotlery

Virginia became the first state to begin a large-scale installation of instant ticket vending machines (ITVMs) last summer. In just six months, the program has proven profitable for retailers and popular with players.

When the first machine was installed in June, at a Giant grocery store in an affluent northern county, the

had planned to concentrate only in the northern Virginia area for the first 12 months. But as the Lottery quickly worked a few startup glitches out of the program, the Lottery sales department decided to move the program to three other parts of the state: south to Richmond, west to Harrisonburg and east to the Norfolk arca.

Consumer convenience, accessibility to multiple games, higher visibility and less labor intensive are

factors that make ITVMs the right choice for higher, more profitable sales in many retail locations, says Ken Thorson, the Lottery's director.

More than 250 machines have been installed. They are currently being installed at a rate of 30 per week.

During this first year of the program. Virginia is concentrating on supermarkets, chain drug stores and bowling centers. In addition, Burger King

restaurants have made an application to install the vending machines in 16 of its franchised restaurants in the eastern part of the state.

The Lottery Enterprises Inc. machines installed at each location sell four instant games at a time. To access instant tickets through the vending machine, players first insert a \$1, \$5. instant vending machines there's a better chance of finding the game they want to play in our store. Safeway grocery stores had been selling only one game through the checkout stands.

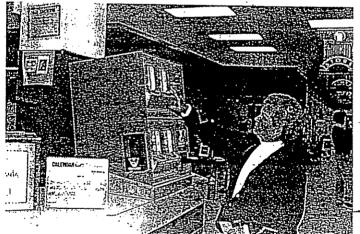
Retailers have averaged weekly sales of 1,000 tickets per machine, with some retailers selling as many as 5,500 tickets per week.

C h r i s
Borglin, whose
F.W. Woolworth
Co.'s store received the first
ITVM in the Richmond, Va. area,
says the store
sold 600 tickets
on Saturday during the first week.
Prior to that, it
generally took a
week to sell the
same amount of
tickets, Borglin
says.

Virginia will install more than 100 vending machines a month and will seek new types of businesses to sell lottery tickets through the

vending machines until the demand has been satisfied. The Lottery may install as many as 2,000 Instant ticket vending machines.

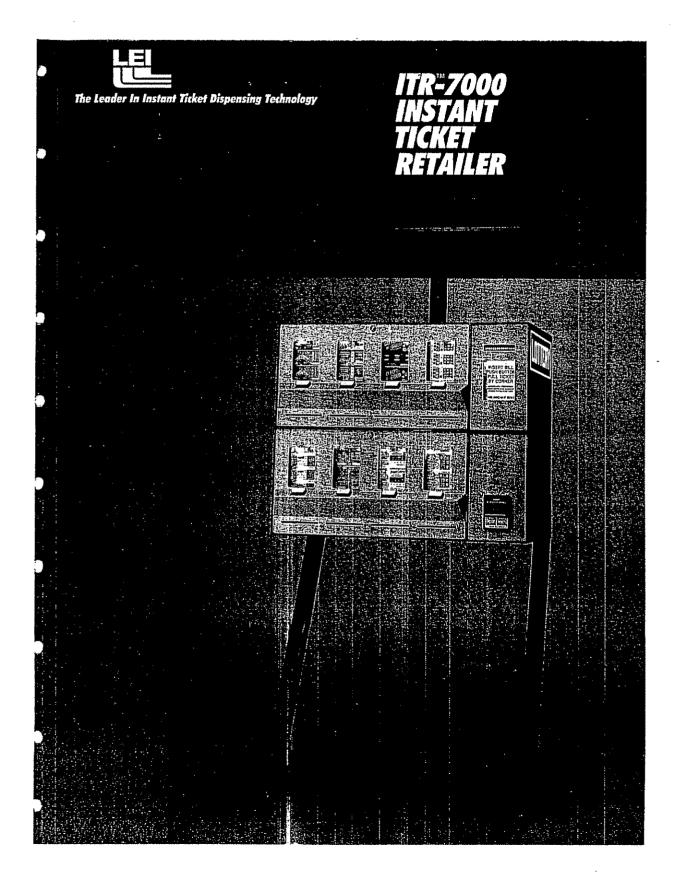
The machine stays busy all of the time, says William McMillian, an assistant manager at an Arlington Rite Aid drugstore in Virginia. We sell three times as many tickets than what we had been selling through the registers.



Player purchases a licket through the Virginia Lollery's Instant licket vending machine.

\$10 or \$20 bill, according to the amount they wish to play. Next, they select the game or games they wish to purchase, press a button to release the ticket through an opening and rip off the ticket along the perforation.

"Players like having more than one game available," says Sam Chandler, who oversees lottery sales at a Safeway grocery store in Fairfax, Va. "Most people have a favorite game, and with the



A TROUBLE-FREE DISPENSER WITH SPLIT-SECOND SPEED.

he consumer-activated INSTANT TICKET RETAILER (model ITR**-7000) opens up uncharted marketing opportunities for retailing instant lottery tickets. The ITR"-7000 is designed to streamline the marketing of instant lottery tickets by opening up new markets which heretofore have not been available to lotteries. Specifically, these markets can be identified as those where sales now exist but at a level far below potential (typically food chain stores, liquor stores, etc.) and locations where potential exists but instant tickets are not being offered for sale (private clubs, bars, malls, etc).

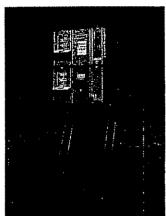
The ITR' -7000 is simple to operate. The customer inserts a dollar bill, in any denomination of one, five, ten or twenty dollars and makes a selection from one to eight separate games. It's simple. It's convenient. And it's secure. Additionally, each ITR™-7000 dispensing unit stores up to 3,000 tickets for a maximum of 24,000 tickets per machine. This coupled with the fact that it keeps track of

all the accounting and inventory of each game and tied in with the LEI FILE SERVER" will alert the lottery in ample time to replenish ticket stock when it becomes low and will make distribution of tickets

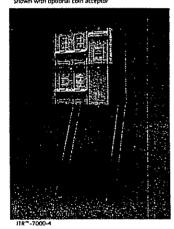
The ITR**-7000 has an optional attention-getting LED scrolling sign to attract impulse buyers. The sign is loaded from the LEI FILE SERVER™ at Lottery headquarters or other remote locations to promote special games or winning jackpots.

The ITR™-7000 is available in four convenient models. All include standard bill acceptors and/or optional coin acceptors (see -C). the -2 houses two dispensers, the -4 houses four dispensers, the -6 houses six dispensers and the -8 houses eight dispensers. All models are available as counter tops, wall mounts or stand-alone terminals. The stand-alone models offer two options: Twin-L legs or security storage cabinet.

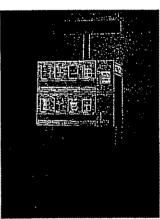
Ouite simply, LEI's ITR™-7000 will revolutionize the way you'll market Instant Lottery Tickets.

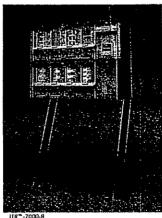


rra"-7000-2-C Shown with optional coin acceptor











IN-/VVV ADI

TO THE LOTTERY

- Increase Sales
- Security
- Multi-game Sales (up to 8 games/unit)
- Daily Sales Information

BY: Agent Classification Geographical

- LED Sign Downloadable
- Total Accounting And Inventory Control
- Increased Efficiency And Cost Effective Marketing

FOR: Promotion incentive Programs Advertising

 Messages On Terminal Downloadable From Central Computer

FOR: Individual Agents or all the Agents

- · Complete Close-out Of Game
- Total Control Of System (via dial-up communication)
- Real Time Clock (allows automatic communications)
- Information Contained In ITR^{1*}
- Battery Backup (in the event of power loss)
- Daily Inventory And Sales Reports (insure ticket availability)
- No Out Of Stock Situations
- Opportunity For New Sales Outlets

TO THE AGENT

- Increase Sales
- Security
- Total Accounting And Inventory Control
- Reports

Current day sales
Dally sales for two days
Weekly sales for two weeks
Invoices

- Automatic Reordering Of Tickets
- Point Of Sale Advertising
- Hard Copy Sales Reports
- RS232 Port For Central Control
- Ability To Sell Tickets Anywhere
- Ergonomically Designed Unit
- Automatic Agent ID Imprint (optional)
- Easy To Operate
- Consumer Oriented
- Holds 3,000 Instant Tickets For Each Game
- Small Footprint
- Does Not Require A Sales Clerk
- Contains Its Own Cash Compartment
- Double Security Locks
- Heavy Steel Construction
- Multi-game Sales (up to 8 games unit)

TO THE CONSUMER

- Availability
- Convenience
- Ability To Purchase A Ticket Anywhere
- Ease Of Purchase
- Choice Of Instant Lottery Game





ITR"-7000 VERSATILITY

Standard bill acceptor with installation of optional coin acceptor greatly enhances ticket buyer convenience by offering a multitude of currency choices.

ز.

ं



SP	ECI	FIC	ATI	0	NS

	Height	*Width	Depth
ITR™-7000-2	27.25"	15.25"	18.0"
ITR'-7000-4	27.25"	21.25"	18.0"
ITR™-7000-6	27.25″	27.25"	18.0"
ITR™-7000-8	27.25"	33.25"	18.0"

115 or 240V AC 47 or 60 Hz 2 Amp *Optional coin acceptor (-C) adds 4.0" to overall width.



ITR' - 7000 VERSATILITY Accepts any size tickets with widths from 2" to 4" and lengths from 11/4" to 6".

LEI FILE SERVER™

As depicted in the diagram, every ITR™-7000 is capable of interrogating over thirty other ITR™-7000's via its smart modem. This feature permits the central PC (at Lottery headquarters or other remote locations) to collect all of the sales and inventory information from any one city or local with a single phone call, thus reducing the necessity of tying up a large number of 800 or WATS lines. Considering connect time, it is estimated that a PC with dual modems can interrogate over 21,000 ITRs in a seven hour time span. All communications are done on a dial-up basis eliminating costly dedicated phone lines.

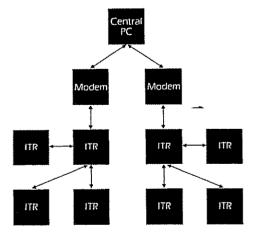
Timely reports are broken down into agent categories, i.e. convenience stores, bars, nightclubs, etc. and also by geographic location. This permits the lottery to pinpoint advertising, agent training or special

In addition, special messages may be automatically downloaded to the optional LED sign during the interrogation of the ITR1. Messages may be sent to specific agents or to the entire state.

Lottery Enterprises, Inc.

Corporate Headquarters 7372 Convoy Court San Diego, California 92111 Tel. [619] 569-5266 Fax [619] 569-9157 Toli Free (800) 879-ITR7 (800) 879-4877

East Coast Office 74 Branch St. #17 Scituate, Massachusetts 02066 Tel. (617) 545-4829 Fax (617) 545-4477





@1991LE1

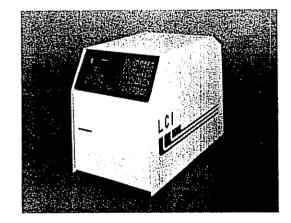
Exhibit E

I T R 5000[™] INSTANT TICKET RETAILER

ITR COMBINES ERGONOMIC DESIGN AND ADVANCED TECHNOLOGY FOR INCREASING SALES AND REDUCING COSTS ASSOCIATED WITH DISPENSING INSTANT LOTTERY TICKETS.

FEATURES:

- HOLDS UP TO 1500 INSTANT TICKETS.
- ACCOUNTING AND INVENTORY CONTROL FOR LOTTERY AND AGENT.
- ENHANCED SECURITY.
- LCD (LIQUID CRYSTAL DISPLAY) PROGRAMMABLE FOR ADVERTISING.
- DIAL-UP COMMUNICATIONS TO CENTRAL COMPUTER.
- AGENT AND CONSUMER ORIENTED.
- INSTANT SALES AND INVENTORY REPORTS.
- INCREASED SALES OPPORTUNITIES.
- AUTOMATIC AGENT ID IMPRINT.
- EASY FOR AGENT TO OPERATE.
- DISPENSES ANY SIZE TICKET UP TO $2" \times 4"$.



LOTTERY CONCEPTS INTERNATIONAL, INC.

ITR 5000 INSTANT TICKET RETAILER

The ITR terminal has a small foot print to fit in tight selling areas such as encountered in convenience stores yet is able to promote the instant ticket product, especially with the LCD option.

The ITR terminal has a 16 key keypad and an LCD display for the agent. The agent need only key in the number of tickets required and depress "enter" to dispense the tickets to the customer. The keypad uses membrane technology for trouble free operation, and is laid out in two sections. The first section is numbered 0-10, and "CE" (clear entry), the remaining four keys are labled "SIGN ON", "REPORT", "CASH", AND "ENTER". The logical, ergonomic design of the keypad insures all functions available are initiated with simple, easy to follow key strokes.

The agent LCD is used to display the dollar amount to be collected. All report functions can be written on this 16 character display.

An adjustable ticket bin is provided to accommodate tickets from 2.0" to 4.0" wide, and fan folded in sections of five tickets each, to a maximum of 1500 tickets. An alarm will sound when out of stock or a power low (brown out) condition. The change of ticket size can be accommodated by the terminal with only simple adjustments which can be carried out by an agent or lottery representative.

A real time clock is supplied for time and date tracking (24-hour). The clock can be used for many communication functions such as auto dial out to host computer for sales reporting, allow communications only at specified times, time stamp certain transactions, and dial-up for after hours data collection.

No marks, holes, or notches of any kind are required on the ticket stock.

A compact printer is available to give a hard copy of the sales reports. This option is extremely important where agents need to reconcile sales after each shift, or verify transactions of a previous date.

SPECIFICATIONS

Height: 12.0" Width: 9.0" Length: 15.0"

Weight: 16 lbs.

115 VAC 60 Hz 50 Watts .50 Amps

Capacity: 1500 tickets

Ticket Sizes: 1.25" to 2.00" long. 2.75" to 4.00" wide.

OPTIONS

1200-baud modem.

20 Colume thermal printer.

80 character backlit programmable LCD customer display.

Marketed exclusively by: Lottery Concepts International 74 Branch Street Suite 17 Scituate, MA 02066 (617) 545-4829

West Coast Office: 7515 Charmant Drive Suite 1407 San Diego, CA 92122 (619) 546-7601

© 1987 LCI 9/87 - 1000

terd

to \$ Ame clos deal

rour

iing

Chir

rest betr

tant

ſга

reta

Rep said

warı

. В

that

plet acti

N

Beij

a f

wati

Oct

mac

the

บกรา

we

acti

jor '

Stat

pun

100

leas

al l

por

tex

геа

ing

toy N

list far

١

H

urd-quarter diviuarter, payable is the 103th go-based equity

a store today on vately held Dalores in eight

puarter loss, inbe able to repay protection. trces Inc., a min-aunderer Rich-

ne of \$981,000. onth net to \$2.3 in operations in stive results.

customer assiswith power : move came could jam, lock-

izor blade comrtend to the adral judge ruled rade by Judge **Yilkinson Sword** :Co,

iwarded \$1.16 1 she suffered 🖔 quired her to. push a button h day. Co-workas clearly in,

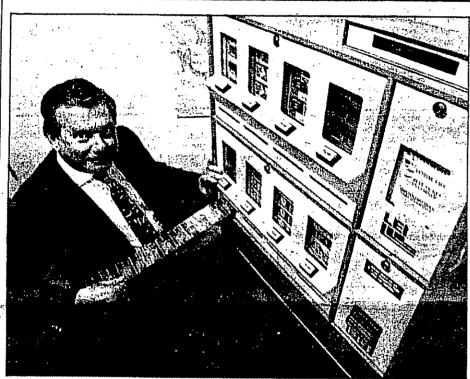
The same same of the same of vistar Internaretirees' iled in U.S. Disrt either prohe company to

riod of its lower tres are availon, Paris, Am-178 round-trip,

r 1 percent, hown since the

eclining to \$214

iff and wire reports



Document 158-3

Local Jackpot: Robert Burr, president of Lottery Enterprises Inc., demonstrates the machine that dispenses scratch-off lottery tickets.

State awards \$15 million contract for lottery ticket vending devices

By CRAIG D. ROSE, Staff Writer

The same that the same is a first of the same of

A small San Diego company has won a \$15 million state contract to supply thousands of scratch-off lottery ticket vending machines, with the first machines expected in local Vons and

Ralphs grocery stores by next week.

Lottery Enterprises Inc., a 2-year-old company in Kearny Mesa, said the initial order calls for up to 2,000 of its vending machines to be installed around the state by November. Options included in the five-year contract could lead to the installation of 4,500 to 6,500 more vending units, said Robert Burr, the company's chief executive offi-

The contract means the company will hire more than 100 people at its local facility and statewide to service the machines, Burr said. Lottery Enterprises currently employs 25 persons in Kearny Mesa, where the machines are manufactured, and 20 in Virginia, where it has installed 1,300 machines.

. The California order also is likely to boost em-

ployment at companies that supply Lottery Enterprises with materials and components. Many of those companies are local, minority-owned businesses, Burr added.

State lottery authorities estimate that 400 new jobs will result from the contract.

Lottery Enterprises earlier won contracts to install scratch-off lottery-ticket machines in Delaware, Vermont and Colorado. The Canadian province of Ontario also is currently evaluating company's units, as are authorities in Spain, Ice-

land and England, Burr said.

Lottery Enterprises says its machines are more convenient than over-the-counter sales and have increased ticket sales dramatically in other

"We've seen that every place we've put them in, the tickets are an impulse buy, and our machines are designed with windows so the tickets

See Lottery on Page C-2

other) billion er pubent. He l after a omment an't as-

learings it injury and conto proort point

ed China ariffs on t did not s for pagreed to a before in effect. talks do nent by es could 100 perp from a percent

and the art of a rce Chiplex web violate interna-

idden reapparent y to sell 🦸 quotas and li-

entative ment: "If anjoy full , then it allow

tted the ne of its

ernment is starting to explain what it will do to stimulate Japan's ailing economy, the Tokyo Stock Exchange is showing signs

After the Nikkel Stock Average capped a prolonged decline Tuesday with a plunge to a sixyear low, Finance Minister Tsutomu Hata hurriedly pledged action to prop up stock prices.

He proclaimed the nation's financial crisis, marked by plummeting stocks, sick banks and anemic corporate earnings, "the most severe since World War II."

The Nikkei soared more than 13 percent over the next three days, ending the week at 16,216.88, its highest close in more than a month. While some of the gain was for technical reasons, analysts agree that investors found Hata's comments

reassuring.
"The government and papers correctly have created the impression that the situation is turning around," said Paul Mig-

Navy repair contract

Continued from C-1

States, he stated.

to help U.S. shipyards

all repairs and modifications to be

done by American shipyards.

Eight ships hired in late July will

be reflagged as U.S. vessels and

will be modified in the United

Donovan said the earlier con-

tract allowed foreign repairs because the Navy believed U.S. shipyards would be unable to

complete the work because of

behind. Now it may go beyond just reacting, and people are happy the government is governing again."

Document 158-3

Many investors are now

The Nikkei ended the week at 16,216.88, its highest close in more than a month.

waiting expectantly for next Friday, when Prime Minister Kiichi Miyazawa is expected to announce an emergency government spending package of as much as \$55.4 billion to stimulate the sluggish economy.

pending Navy warship repairs. He changed the policy after the Navy determined that American ship repair firms would be able to satisfy future sealift contracts.

The ships, chartered for at least 17 months, are stationed near potential hot spots, such as the Mideast or Asia. If a conflict occurs, the prepositioned ships would sail to the troubled area, where troops flown in from the United States would pick up their equipment and heavy weapons.

At the beginning of the Persian Gulf crisis, several such ships delivered war material to Saudi Arabia in the weeks following Iraq's invasion of Kuwait.

market's rebound may be shortlived. There's great potential for disappointment.

Hata said Tuesday the government would enact measures to discourage financial firms from selling shares to realize capital gains. He also suggested there would be tax relief for banks burdened with bad debts.

The proposal that has raised the most interest involves creating a syndicate to buy either real estate used as collateral in loans that have gone bad or the loans themselves.

"It looks as if a safety net is being built," Migliorato said.

Japan's economy is expected to grow about 2 percent this year, a sharp decline from last year's 4.5 percent rate.

Lottery

San Diego company gets state contract

Continued from Page C-1

pass by as you purchase them," Burr said.

The machines also can provide customers with a choice of up to eight different types of instant tickets. A California test, Burr said, found the machines increased sales by 80 percent.

Lottery Enterprise hopes to introduce later this year a machine to dispense break-open tickets, which are sold by several Western states.

The privately held company, financed by the Ralph L. Evans Trust in Rancho Santa Fe, declined to disclose its sales and income figures.

<i>2</i> .	1.00	• -		•	•		_
_							
-							
3.			1.44				
334.27	17.88 + _17	G1685 p . 14.33 HL04	EgOp # 11.41 17.1628	Unio # 6.12 6.86	1115.21 13.21 + stlay	CupAs 22.51 HL31	MHE 18,30 HL + ,12
	, HL11	*A1E b 1511 1718- '81		t\$[0,51 16.57 13.0] - t\$1	Lazingten Grp:	50Eq 33.99 HL15	Mail Stn 78.43 31.4513 Matecl of Omeha:
16 1131	NL18	- LATE D 18.33 18.4983 LITE D 18.31 18.3101		151 Test p 10.64 11.1687	CLdr 31.33 ML12 GNMA 8.48 ML03	IncEs 19.53 HL18 SGIF 20.14 NL	Amer p 1836 188004
122.23	NL + .53	LITE p 12.54 12.51 = .01 MITE p 11.42 11.9207	Grinc p 31.79 31.8284 HRAND 0 17.08 18.6084	independence Cap; Operi p 18,13 10,61 ,88	Glob! ID.45 HL + .13	INIAID 21.43 NL + .04	Grath p 19.34 19.4717
41 31.41	NL11	MOTE a 18.51 11.0101			Goldid 4.75 HL + ,91	\$1 #21 31.15 HL07	Incom p 19.74 19.71 → 41
±+34.59	21,2318	NCTE p. 19.73 10.4197		TR Gr p 12,53 13,45 11	Ginine 14.44 Nt 18	Fadint 22.04 NL01	Tuffe p 12,38 \$3,6063 Mulval Barlas:
T 31 C1	11.4414	12, -0176 p 17.31 11.74 47 107.216 (17.31 0.7274)		ine Peth 3.47 4.0301 (avier Delife:	575H 7.61 3.70 + .81 57Lnv 1.77 3.7801	MorineHY 18.99 11.34~ \$6 Methers 15.25 HL + .22	Bench 1-23.95 HL04
4.37	HLT A	TOTE 0 / 18.94 11.31 - 41			7E Bod 10.44 HL02	MajuE lp 12.74 NL- 44	Qualit 71.11 Ht - 24
Mi ir	AL Tai	VATE # 1941 1949 - 41	Cutt p . 1.16 HL 13		7ch3fr 11.40 ML01	Musul fp 31,45 RL	Shores 78.67 HL29
75.07	1434+ 37 314- 31 114- 31	Fire Funds;	. imcuss 2.11 Nt11	U3 Get 10 10 11.0101	W10Em 1.07 HL + .07	ManiG1 12.03 Nt81	HCC Eq p 13.19 13.38 41 HCCF+ p 10.91 11.37 82
	HL- 11	Bond p 19.37 HL89 .Gibia p 19.27 HL 4 .84		InvPlin p 34.34 11.3303 InvPlikY 12.34 12.2303	Liberty Family: Am Lor 12.16 14.1086	Merzill Lynch: Adjila p 7.85 10.15	ND Taff 144 144 4
11.57	141 11	Grib p / 12.14 HL ~ .15		life! p 12.23 12.9151	Envis p 9,17 10,3401	BolA unevolt	HYL lastit Fat:
31.11	HL91	Algir to 5.15 HL	Esivos 11.44 HL04	ity Funda:	Filet 14.19 15.36 + .01	#avi4 19,4+ 11.05+- ,14	EAFE unavall
	Nt01	Fontoine 19.99, NL + .03		Glaine 9.23 4.7983	FTH: 1 11.16 11.45 + .43	CoMA unevall	Bond 18.95 HL42
2 64.17	15 17. 15 18.	Fortis Funds: AsiAl a 13.79 \$4.65~ .03	10.10 d 10.10 ML ,03 57 Bas 10.13 ML ,01	Gwtn 14.39 37.2810 inii 19.43 29.63 + .25	HinBd (0,37 11,40 LmlTrm o 10,17 10,1741	CopFA 78.07 37.8814 CoHiA 7.83 8.34	GrEe 31.87 NL13 dx8d 11.49 HL81
· 11 11	Mt 41	CaAp p 18.33 19.4113		₽ Getn 14.94 17.9314	Ti Fra 11.38 11.92 32	CHOA 12.19 12.7603	lazes 11.74 Ht 10
10.15	HL81	Cualt o 17.84 \$8.4931	GalwyGr 11.17 36183	# Inco 1,44 18.2981	15, 62,0 E.5.3 Fr.D 2.0	Cp/T 11.99 12.1493	Auth 11.57 HL - He
7.44	HL11	Finer p : 18.54 79.0117		Jesus Pund:	UNIFA 11,57 11,11	CADIV 18.23 18.4681	ST 80 13.13 ML Vales 13.50 ML81
11.47	HL83	GSGr 11.35 11.45- 47 Gv1R 7.55 13.301		Fizint 7,41 HL = .91 Fund 13.10 HL = .94	Liberty Flavaciet; TF 8d 10.3) 19.4781	DyCop : 10 51 10:4585 DrogA r 7.78 18.18 + .07	Hallonal Full:
	::::-::::ii	Grado a 16,27 15,40 28		Grint 13.43 HL54	US Gay 1.33 1.34 (8)	EuroA 18.78 11.74 + .51	20nd p 7.0) 1.1301
11.37	HL23	HIYId m . 3.29 0.39	Etfete . 17.06 Mt02	IniG+1 5.48 Ht81	10. + 11.17 + .01	FdScA p 1,13 10.3667	CofsE p 13.63 14.1063
	!!!!+ !!	"TE AM" 19-23 19-79 43		Twen 21.19 ML14	LindDie 23.58 Ht01	FLMA 19.45 18.8982 FFTA 15.70 16.7413	Fresk p 9.81 10.35 ,81 Gral = 11.31 12.15 + ,81
3.16.17	11.71 + .31	7F Hol . 1844 11.1487 7F HY 11.29 11.7382	Elinta 11.82 Ht.+ .83 565 Lg 17.15 Ht83	Ventur 45.57 Ht94 WridW 18.45 Ht.+ .83	Lindner 19.4] Hi4)	GIAIA 11.44 + .05	InGrA p 7.41 7.11- 01
		U1 Gel 1034 1831 31	515 21.71 Nt - 28	2000nFd 6.41 HL + .38		GBdA 18,57 11,91 ,81	InGe8 p 9.41 9.41- ,83
47.41	ML~ .II	Fertress turtt;	Genter 1285 11.76- 23	John Hontack:	ad ap.ff fp.gf q billith	GICVA 9.62 19.02 + .82	MulfiA p 13.71 14.44 + .41
	Hr- 'ii	AdjR\$ 1 18.87 18.87	fantel Graup:	AMAR P 17.17 12.17 - 49	BdDeb p 1,37 1,84 ,27	GIURA 11.48 12.34 Griffa 11.31 14.34~ .84	Holfis p 13.31 13.77 + .61 Stock p 4.57 1.8585
26. 10.13 36.13	29.16 37	Bend 7 9.84 9.84 GIST 7.81 9.8582	COAD p 15.26 NL17 Erisa p 21.45 HL43	AyTech 1.54 18.84 - ,88 CA TE 11.71 12.24 - ,89	DavGt p 8.81 9.35+ .87 Ex 1990 a 11.8488	Heglina 1,85 4,37- ,84	To:E1 D 12.45 13.10- 31
	NL- N	Munta 1 15.76 10.81	Gintel \$4.54 HL1,64	Globi p 17.40 11.3205	FdVI p 17,15 13,4985	Insita p 10.11 10.1152	TatHe p 7.81 8.29- Dt
32.42	ML17	Unit r 12.14 12.16 + .01	Gelamen tucht:	GiRa p 12.44 12.79- 49	GIEG # 19.64 10.71 + .74	10HGA 11.31 33.51 + .53	18. + [1.1 12.1 4 GDb/W
11.07 1	11.1762	470ml 2.31 2.31	A保留女 ,持有7,1647 。	Ciliect fill jedi- 62	staint in any trace	Blanking or A'ne guter- im	मुन्त्रात्म स्टब्स् ग्रह्मा । १३६



RELEIVED
PATENT
PATENT
17/6

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

TUOK

Applicant

Robert L. Burr

Serial No.

07/912,005

Filed

: July 10, 1992

For

TICKET DISPENSER MACHINE AND METHOD

Group Art Unit :

3101

Examiner

: D. Bollinger

530 Fifth Avenue

New York, New York 10036

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231, on October 1, 1992

Gregor N. Neff, Req. No. 20,596
Name of Applicant, Assignee or Registered

Representative

Signature October 1, 1992

Date of Signature

AMENDMENT

Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231

sir:

In response to the Official Action mailed September 14, 1992, please enter the following amendment of the above-identified patent application:

IN THE CLAIMS:

Rewrite claims 1 and 16 as follows:

GNN9:2030.SPA

(by)

.(Twice Amended) A ticket dispensing machine, comprising, in combination, a housing, at least one window in said housing through which tickets inside said housing can be seen but not touched by a person outside said housing, a dispensing outlet in said housing, electrically powered means for moving a continuous strip of tickets past said window, and for dispensing through said outlet a pre-determined number of said tickets to an operator of said machine[, and protective means for deterring the operator of the machine from withdrawing from said machine more than said pre-determined number of tickets].

0 16. (Twice Amended) A ticket vending method, said method comprising the steps of:

- (a) utilizing electrically powered drive means for moving a strip of mutually-attached tickets past a viewing window in a housing in a manner such that the tickets can be seen from outside said housing, and
- (b) issuing from said housing a pre-determined number of tickets from said array which are ordered by an operator[, and operating means for deterring said operator from withdrawing more than said number of tickets].

Claim 10, line 2, change "protective" to

--dispensing--;

NE? Claim 1, line 1, change "26" to --29--. Claim 32, line 5, change "say" to --said--. Claim 33, line 1, change "26" to --29--.

GNN9:2030.SPA

-2-

REMARKS

The undersigned attorney would like to take this opportunity to thank the Examiner for the courtesies extended to him and Mr. Robert L. Burr, the inventor, during the interview which took place on August 26, 1992.

During the interview, the facts and Exhibits in the accompanying Declaration Under Rule 132 were explained to the Examiner to demonstrate the commercial success which has been achieved by the invention. In particular, the test results set forth in Exhibit D were offered to show the impressive ticket sales increases achieved by the machine using the invention.

As it was explained during the interview, the commercial success of the invention, which is far in excess of what might be expected, demonstrates the unobviousness of the invention. The Groves and Knee references simply do not show or suggest the extraordinary increase of ticket sales produced by driving an array of tickets past a window in the dispensing device.

As to the assertion of indefiniteness of claims 1, 2, 4-6, 31 and 33, it is believed that the claims are sufficiently definite. Whether there is a single mechanism for moving the strip and dispensing the tickets, or separate means for each function is not believed to be important to the patentability of the invention because the movement of the ticket array past the window is at the heart of the commercial success, and the means GNN9:2030.SPA -3-

disclosed is properly recited as means for performing the moving and dispensing.

Claims 1 and 16 have been sharpened by elimination of the protective means (Claim 1) and the protective step (Claim 16) for preventing unauthorized withdrawal of tickets because that feature is off the main point of the invention. It is believed that the Examiner concurred with this proposal during the interview.

In accordance with the foregoing, and the comments in the Examiner Interview Summary Record, it is believed that the patent application is in condition for allowance.

Accordingly, it is respectfully requested that the application be allowed and passed to issue.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C. Attorneys for Applicant

Gregor N. Neff

Reg. No. 20 596 (212) 840-3\$33



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER	FILING DATE		FIRST NAMED APPLICANT		ATTORNEY DOCKET NO.
07/912,00	5 07/10/9	92 BURR	i	R	3390-2030
				BOLLIN	EXAMINER NGER. D
GREGOR N. C/O CURTIS	NEFF B, MORRIS \$	k SAFFORD		ART UNIT	PAPER NUMBER
530 5TH AY NEW YORK.			_	3101	18
ż				DATE MAILED:	12/16/92

NOTICE OF ALLOWARILITY

NOTICE O	JF ALLUWABILITY
PART I.	1 1 1 m 1 1 1000
1. M. This communication is responsive to His Communication	extions tiled & Uctober 1992
herewith (or previously mailed), a Notice Of Allowance A	E MERITS IS (OR REMAINS) CLOSED in this application, if not included and issue Fee Due or other appropriate communication will be sent in due
3. 10 The allowed claims are 1,2,4-6,10-12,10	6,18,21,22,29-33,38-40,43-45 \$47
4. The drawings filed on	_ are acceptable.
	er 35 U.S.C. 119. The certified copy has [] been received. [] not been
6. X Note the attached Examiner's Amendment.	
7. Note the attached Examiner Interview Summary Record, P	'TOL-413.
8. Note the attached Examiner's Statement of Reasons for A	Nowance.
9. Note the attached NOTICE OF REFERENCES CITED, PTO	-892.
10. D Note the attached INFORMATION DISCLOSURE CITATION	N, PTO-1449.
FROM THE "DATE MAILED" indicated on this form, Fallure Extensions of time may be obtained under the provisions of 37 CF	•
or declaration is deficient. A SUBSTITUTE OATH OR DECL	
OF THIS PAPER,	DICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE
a. S Drawing Informalities are indicated on the NOTICE 8	RE PATENT DRAWINGS, PTO-946, attached hereto or to Paper No.
 The proposed drawing correction flied on	has been approved by the examiner, CORRECTION IS
 c.	examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS
d. 🗖 Formal drawings are now REQUIRED.	
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Any response to this letter should include in the upper right h AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NO	and corner, the following information from the NOTICE OF ALLOWANCE OTICE OF ALLOWANCE, AND SERIAL NUMBER.
Attachementac	
Examiner's Amendment	Notice of Informal Application, PTO-152
Examiner Interview Summary Record, PTOL- 413	 Notice re Patent Drawings, PTO-948
_ Reasons for Allowance Notice of References Clast PTO 802	_ Listing of Bonded Draftsmen

PTOL-37 (REV. 4-89) *

... Information Disclosure Citation, PTO-1449

USCOMM-DC 89-5789

Serial No. 912005 Art Unit 3101 -2-

Applicant's directions to amend claim 1 line 1 to change "26" to --29--, on page 2 of the amendment filed 5 October 1992, are defective as "26" does not appear in line 1 of claim 1, therefore; this portion of the above mentioned amendment has not been entered.

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

In the claims:

claim 31 line 1 "26" has been changed to --29--.

This amendment has been made to correct the dependency of claim 31 so as not to depend from a canceled claim. Further, it was agreed to make such a correction in the interview of 26 August 1992.

Any inquiry concerning this communication should be directed to David Bollinger at telephone number (703) 308-1113.

DAVID H. BÖLLINGER A PRIMARY EXAMINER

CROUP 310

dhb December 12, 1992



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: Box ISSUE FEE
COMMISSIONER OF PATENTS AND TRADEMARKS.
Washington, D.C. 20231

GREGOR N. NEFF C/O CURTIS, MORRIS & SAFFORD 530 5TH AVE. NEW YORK, NY 10036

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

Note attached	communication	from the	Examiner
---------------	---------------	----------	----------

This notice is issued in view of applicant's communication filed

ſ	SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	3101	103 ЛЕМУКЕ ВО
	07/912,005		027	BOLLINGER. D		
	First Named BURR -		ROBE	K1 .		· .

TITLE OF INVENTION TICKET DISPENSER MACHINE AND METHOD

	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEEDUS DO	DATEQUE6/93
3	3390-2030	221-00	1.000	Iè8 Olir			

THE FEE DUE IS THE AMOUNT IN EFFECT AT THIS TIME. IF THE AMOUNT OF THE ISSUE FEE INCREASES PRIOR TO PAYMENT, APPLICANT WILL BE NOTIFIED OF THE BALANCE OF ISSUE FEE DUE.

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.

PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

- Review the SMALL ENTITY Status shown above.
 If the SMALL ENTITY is shown as YES, verify your
 current SMALL ENTITY status:
- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.
- II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.
- III. All communications regarding this application must give series code (or filing date) and serial number.

 Please direct all communications prior to issuance to Box ISSUE FEE unless advised to contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

PTOL-85 (REV.7-92) (OMB Clearance is pending)

	5X5-2112 R
PART B IBSUE FEE TR	ANSMITT
afformery or agent. If no name is listed, no name will be printed. 3 AP.14526 02/24/93 07912005 07363495785 \$200 561 30.00CH 4 040 TiD 02/24/93 07912005 1.242 585-00.6Kii 5 ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or yiew) 1 (I) NAME OF ASSIGNEE: 1 (I) NAME OF ASSIGNEE: 2 (I) NAME OF ASSIGNEE: 2 (I) NAME OF ASSIGNEE: 3 (I) NAME OF ASSIGNEE: 3 (I) NAME OF ASSIGNEE: 3 (I) NAME OF ASSIGNEE: 4 (I) NAME OF ASSIGNEE: 4 (I) NAME OF ASSIGNEE: 5 (I) NAME OF MOORPORATION. 5 (I) STATE OF MOORPORATION. 6 (I) SASSIGNMENTS. 6 (I) SASSIGNEE OF PATENTS AND TRADEMARKS is requested to group the hause few in the application identified above. 6 (I) SASSIGNMENTS. 7 (I) SASSIGNEE OF PATENTS AND TRADEMARKS is requested to group the hause few in the application identified above. (I) SASSIGNMENTS. 6 (I) SASSIGNMENTS. 7 (I) SASSIGNEE OF PATENTS AND TRADEMARKS is requested to group the hause few in the application identified above. (I) SASSIGNMENTS. 6 (I) SASSIGNMENTS. 7 (I) SASSIGNEE OF PATENTS AND TRADEMARKS is requested to group the hause few in the application identified above. (I) SASSIGNMENTS. 6 (I) SASSIGNMENTS. 7 (I) SASSIGNMENTS. 8 (I) SASSIGNMENTS. 8 (I) SASSIGNMENTS. 9 (I) SASSIGNMENTS. 1 (I) SASSIGNEE OF PATENTS AND TRADEMARKS is requested to people of the appli	
PART B_ISSUE FEE TRANSMITT AMUNICATING CONTROL This form should be used for transmitting the ISSUE FEE! Blocks of through 6 should be completed where appropriate. Will plant on companyouthoring in the Issue of the transmitting the ISSUE FEE! Blocks of through 6 should be completed where appropriate. Will plant on the Issue of the Issue of I	
AFEE ADDRESS for maintenance lee notifications Rights payment of issue Fee or them	atter. See reverse for Certificate of Mailing.
- 1: CORRESPONDENCE ADDRESS FFB	2: BIVENTOR(5) ADDRESS CHANGE (Complete only if there is a change)
5 84 ≥ 17 5 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	INVENTOR'S NAME
PART B- ISSUE FEE TRANSMITT ILLING SETTINGTIONS: This from should be used for intramiting the ISSUE FEE: Blocks & Privacy & should be completed where appropriate. Underscored to Block - Service for feeting the Service feetin	
Dancul	City Rists and ZIP Code
GREEDE N. LHEFF	Nation William Berker between the March Control of the Control of
The state of the s	
MEN YORK, NY 10036	Street Address
to the second of	All the second sections of the control of the second section of the section of the section of the second section of the se
AREA CONTRACTOR OF A STATE OF THE AREA OF	Check if indditional changes are on roverse side
SURIEB CODE/SERIAL NO: FILING DATE AND TOTAL CHARLES AND	EXAMINER AND GROUP ART UNITY
to the state of th	
# 177 6779121005 / 07/18/99 / 024 Name	
First Named DIFFE	
	Company of the second of the s
BINENTION TICKET DISPENSED MACHINE AND METHOD	
if, Esq.	Gregor N. Ne
Replacement of the second of t	Marina
Water Control of the	
网络影片 医骶骨 经产品 经证券 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	
ALLINOS STRUCTIONS. This form should be used for transmitting the ISSUE FEE: Blocks 2 through 6 should be completed where appropriate. Subhenicontrapondence including has falls for Reporting the Patent advances or clear and redictional on inabiterances fees will be mailed to addressee intend in Block harders proi dispetitively in Subject of the Patent and recompandence auditories in Block before you (b) providing the PTO with a separate learn providence and the providence and the providence of the Patent and t	
TO THE STATE OF TH	
vidio to	
	he and the consentation for the consentation of the consentation o
Correspondença address change (Complete only II there is a change) 4. For per	inting on the patent from
Page, list	the names of not more than1 Gregor N. Neff, Esq./
agents C	R-alternatively, the name of a Red No. 20,596
atlorney	or agent. If no name is Req., No., 12,761
listed.nc	nane will be printed.
93039257 194	561 30.00CH
7 040 TD 02/24/93 07912005	
作。 15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 Donald Sutherland, Trustee of the Ralph I. Evans	6a. The following fees are enclosed:
	(If the morning less should be changed to: (Marinos of 10)
OD STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION, TO A THE LIGHT OF THE LIGH	DÉPOSIT ACCOUNT NUMBER 003-3925
AD This application is NOT assigned.	☐ Issue Fee AA XD Advanced Order - # of Copies 10 10
Assignment is being previously submitted to the Patent and Trademark Office.	127-79 2 11-27-7-20 11 12-27-20 12-2
directed to Box ASSIGNMENTS.	requested to apply the issue Fee to the application identified above.
patent inclusion of assignee data is only appropriate wherein assignment has been previously	The second secon
submitted to the PTO or is being submitted under separate cover. Completion of this form is NO	
The control of the second of the second seco	registered attorney or agent; or the assignee or other party in interest as shown by the
	PROPERTY OF THE PROPERTY DESCRIPTION CHICAL
TRANSMIT THIS FORM WITH FEE-CERTIFIC	CATE OF MAILING ON REVERSE
der er	

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Box ISSUE FEE
Commissioner of Patents and Trademarks
Washington, D.C. 20231

February 12, 1993 (Date)

(Signature) / Gregor N. Neff, Esq.

(Typed or Printed Name)

after types paymenting as her

February 12, 1993

(Date)

Note: If this certificate of mailing is used, it can only be used to transmit the Issue Fee. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

This form is estimated to take 20 minutes to Complete. Time will vary depending upon the needs of the individual applicant. Any comments on the amount of time you require to complete this form should be sent to the Office of Management and Organization, Patent and Trademark Office, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington; D.C. 20503.



55-215 GP311

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Burr, et al.

Serial No. : 07/912,005

Filed : July 10, 1992

For : TICKET DISPENSER MACHINE AND METHOD

Art Unit : 3101 V

Examiner : D. Bollinger

Batch No. : I98

530 Fifth Avenue New York, New York 10036

PETITION UNDER 37 C.F.R. \$1.136(a) and 1.17(a)

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

sir:

Pursuant to \$1.136(a) applicants hereby request a one month extension of the period for filing formal drawings in response to the December 16, 1992 Notice of Allowability, Part II, i.e., up to and including April 16, 1993.

Enclosed herewith is a check for \$55.00 in payment of the fee set forth in \$1.17(a) for a small entity for a one month extension under \$1.136(a), 37 C.F.R.

The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment in the petition fee to Deposit Account No. 03-3925.

A duplicate of this petition is enclosed.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C.

Gregor N. Neff, Esq. Registration No. 20,5 (212) 840-3333

Enclosures

Transmittal letter

Formal Drawings (6 sheets) Check (\$55.00)

c:\wp51\LEI\2030.Pet



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Robert L. Burr, et al.

Serial No.

07/912,005

Filed

July 10, 1992

For

TICKET DISPENSER MACHINE AND METHOD

Art Unit

3101

D. Bollinger

Examiner Batch No.

198

530 Fifth Avenue New York, New York 10036

PETITION UNDER 37 C.F.R. \$1.136(a) and 1.17(a)

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

Pursuant to §1.136(a) applicants hereby request a one month extension of the period for filing formal drawings in response to the December 16, 1992 Notice of Allowability, Part II, i.e., up to and including April 16, 1993.

Enclosed herewith is a check for \$55.00 in payment of the fee set forth in §1.17(a) for a small entity for a one month extension under §1.136(a), 37 C.F.R.

The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment in the petition fee to Deposit Account No. 03-3925.

A duplicate of this petition is enclosed.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C.

Gregor N. Neff, Esq. / Registration No. 20,59 (212) 840-3333

Enclosures

Transmittal letter

Formal Drawings (6 sheets) Check (\$55.00)

c:\wp51\LEI\2030.Pet



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Robert L. Burr, et al.

Serial No.

07/912,005

Filed

July 10, 1992 :

For

TICKET DISPENSER MACHINE AND METHOD

Art Unit

3101

:

Examiner

D. Bollinger

Batch No.

198

530 Fifth Avenue

New York, New York 10036

LETTER TRANSMITTING FORMAL DRAWINGS

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Attention: Official Draftsman

sir:

Pursuant to Part II of the December 16, 1992 Notice of Allowability, with the term for reply having been extended one month, enclosed are six (6) sheets of formal drawings to be made of record in the above-identified patent application.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C.

Registration No. 20, 59

(212) 840-3333

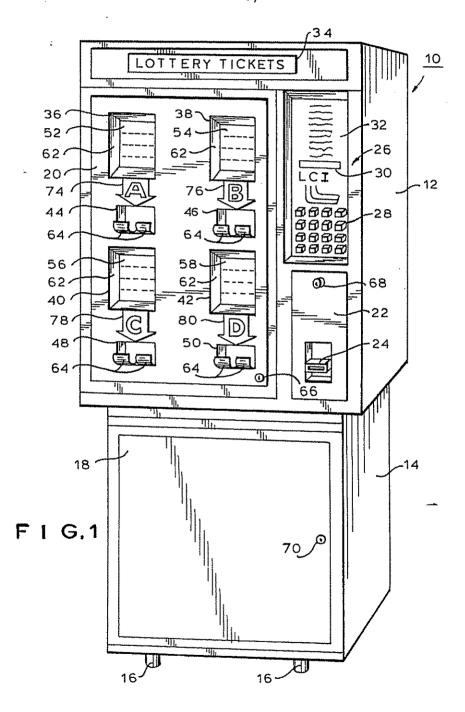
Enclosures

- Drawings (6 sheets)

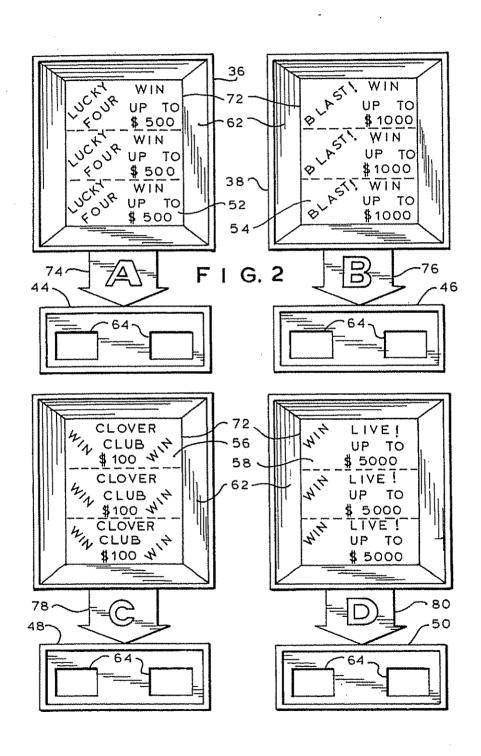
912,005

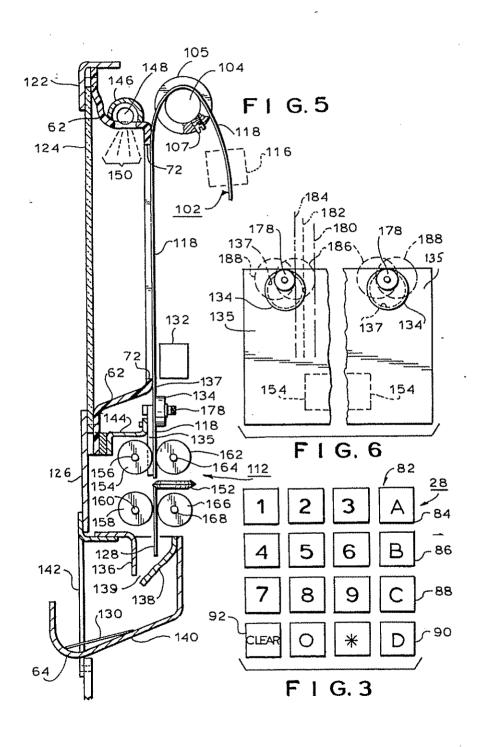
5222624

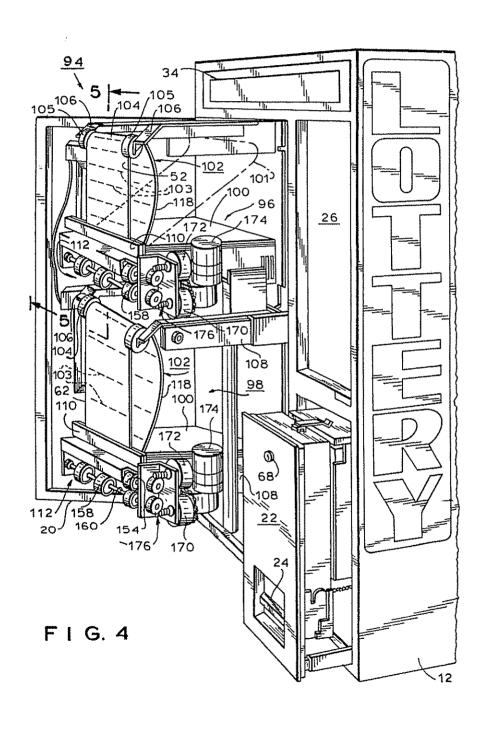
A Company

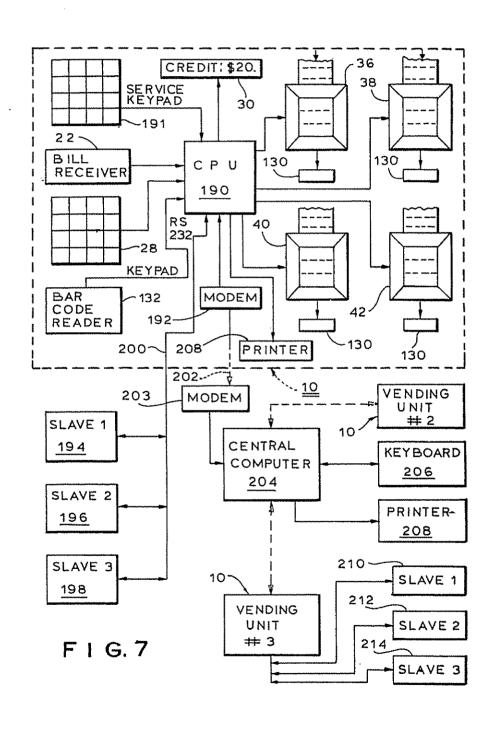


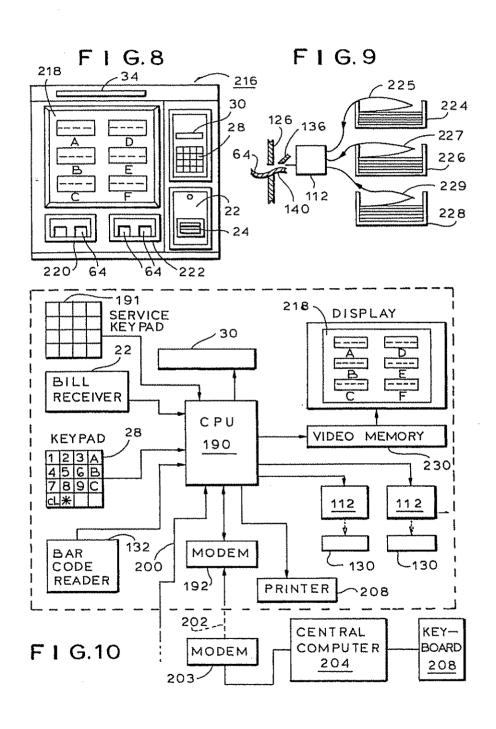
912,005













The United States of America

The Commissioner of Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.



Acting Commissioner of Patents and Trademarks

Sancha I. Mortor

PTO-1584

DSD.



CHANGE OF CORRESPONDENCE ADDRESS

FOR PATENTS

Patent No. 5222624

Issue Date 06/29/93

Application No.: 912005

Filing Date 07/10/92

First Named

Inventor BURR RL

Case Number 3345-2050

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Please change the Correspondence Address for this

application to:

Gregor N. Neff, Esq. Whitman Breed Abbott & Morgan

200 Park Avenue

New York, New York 10166

(212) 351-3000 Tele No.:

Fax No. :

I am the attorney of record.

Typed or Printed

Signature

Date

Name

Reg. No. 20,596

TRADENIE

PATENT 3345-2050

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

R. L. Burr

Patent No.

5,222,624

For

Windows Ticket Dispenser

Issued

6/29/93

919 Third Avenue New York, NY 10022-3852

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Asst. Commissioner for Patents Washington, D.C. 20230

Gregor N. Neff - Registration No. 20,596 of Applicant, Assignee or Registered Representative

Jignature

2001/713 /2 18:07 RECEIVED one

NOTICE OF CHANGE OF ADDRESS

Assistant Commissioner for Patents Commission.
, D.C. 20231

Please change the Correspondence Address for the PR 15 2081 Washington, D.C. 20231

Sir:

application to:

PATENT 3345-2050

Gregor N. Neff Kramer Levin Naftalis & Frankel LLP 919 Third Avenue New York, NY 10022-3852 Direct Dial: 212 715 9202

I am the attorney of Record.

Facsimile:

Respectfully submitted,

212 715 8000

KRAMER LEVIN NAFTALIS & FRANKEL LLP

By:

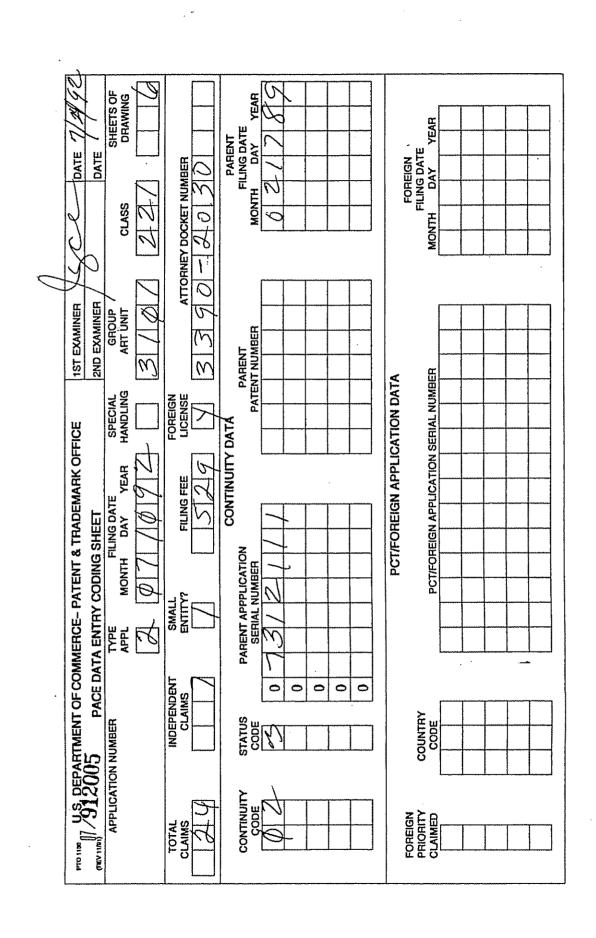
Gregor N. Neff

Registration No. 20,596

(212) 715-\$202

ř.	ware said	/ REA						
PATENT NUMBER	COVERNMENT PRINTING OFFI	VAL CLASSII	FICATION *					
APPLICATION SERIAL NUMBER		CROS	S REFERENC	E(S)				
912005	CLASS		SUBCL IONE SUBCLAS	ASS S PER BLOCK)	2 25			
APPLICANT'S NAME (PLEASE PRINT)	221	2	8	13	25			
Burr	22/	124	129	155				
IF REISSUE, ORIGINAL PATENT NUMBER		``						
INTERNATIONAL CLASSIFICATION (INT. CL. 4)								
G07F 11/00								
	ART UNIT		PLEASE STAMP	•				
	3101 PRIMA	RY EXAMINER IP	H. K	PRINT FULL NAME				
PTO 270 (10-84)	ISSUE CLASSIFIC	ATION SLIP	,	U.S. DEPARTME PATERT AND	NT OF COMMERCE TRADEMARK OFFICE			

•				:				Ţ,				
	PATENT A	PPLICATI	ON FEE	DETE	RMINA	TION REC	OR	D	Application of	or Doc	ket Numbe	ſ
	Effective December 16, 1991							l	רס	91	200	う
	CLAIMS AS FILED - PART I (Column 1) (Column 2)							SMALL	ENTITY	OR	OTHER SMALL	
FOF	₹.	NUMB	ER FILED		NUMBER]	RATE	FEE	1	RATE	FEE
BAS	IC FEE	\$2-\$00.00 \$20.00 \$20.00							\$ 345.00	OR	(2-1) (2-1)	\$ 690
тот	AL CLAIMS	2		us 20 m	• 4		1	x \$10	. 40	OR	x \$20 =	
INDI	EPENDENT CLAI	vis		nus 3 =	• 4		1	x 36	144	OR	x 72 =	
М	ULTIPLE DEPEND	TIPLE DEPENDENT CLAIM PRESENT					1	+110	- / / -	OR	+ 220 =	
• ##	e difference in colum	n t is less then ze	ro, enter "0" in	column 2				TOTAL	529	OR	TOTAL	
		CLAIN (Column 1)	IS AS AMI) - PART lumn 2)	(Column 3)		SMALL	ENTITY	OR	OTHER T	
AMENDMENT A	23000	CLAIMS REMAINING AFTER AMENDMENT	1844 1865	NU PRE\	SHEST IMBER VIOUSLY ID FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI TIONA FEE
20	Total	24	Minus	**	24	102	11	x \$10=		OR	x \$20 ,=	
ME	Independent	9	Minus	***	7	-2		·x 35=	22.00	OR	× 72=	<u> </u>
*	FIRST PRES	ENTATION OF	MULTIPLE D	EPENDE	NT CLAIM		71	+ 110 -	•	OR	+ 220 =	
		(Column 1)		{Col	umn 2)	(Column 3)	AD	TOTAL DIT. FEE		OR	TOTAL DDIT. FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		NU PRE\	HEST MBER NOUSLY D FOR	PRESENT EXTRA		RATE	RATE TIONAL FEE		RATE	ADDI- TIONA FEE
NON	Total		Minus	7		102	71	x \$10 =		OR	x \$20 =	
ME	Independent	A	MAL	<u></u>		-		x 36 =		OR OR	x 72 =	
	FIRST PRES	ENTATION OF I	MULTIPLE D	EPENDE	NT CLAIM	-		+ 110		OR	+ 220 =	
		(Column 1)		, (Cor	vmn 2)	(Column 3)	Al	TOTAL DDIT. FEE		OR	TOTAL DDIT. FEE	
IENT C		CLAIMS REMAINING AFTER MENDMENT		NU PREV	HEST MBER MOUSLY D FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONA FEE
<u>∑</u>	Total		Minus	**		<u>**</u>	11	x \$10		OR	x \$20 =	
AMENDMEN	Independent *		Minus	***		=	11	x 36 =		OR OR	x 72 =	
4	FIRST PRESI	ENTATION OF A	AULTIPLE DI	PENDE	NT CLAIM			+ 110		OR	+ 220 =	
* 11 1	he entry in column he "Highest Numb	1 is less than t	entry in co	ໄປເກກ 2, v	write "O" in c	oluma 3.		TOTA	1	OR	TOTAL	



POSITION	INIT.	DATE
CLASSIFIER		
EXAMINER		
TYPIST	343	7-28-92
VERIFIER	V42	729-92
CORPS CORR.		
SPEC. HAND		
FILE MAINT.		

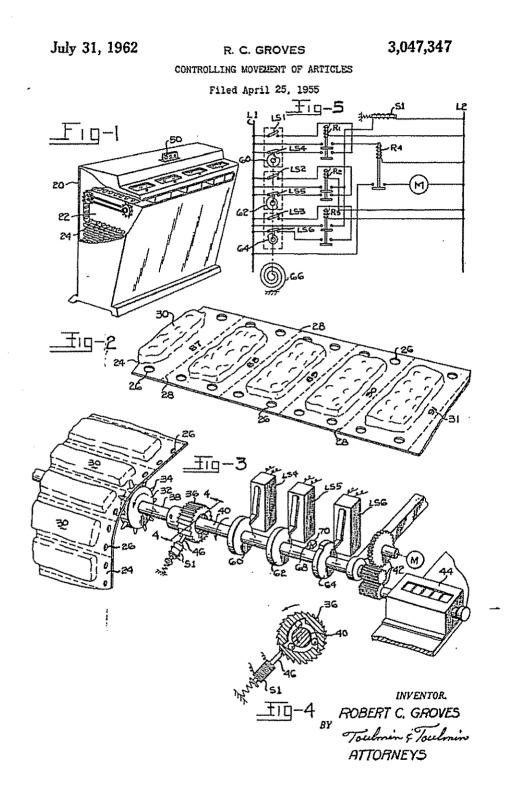
INDEX OF CLAIMS

C	alm	Ι				Date				
1	Į	0	12	Т	Т	T	T	T	Т	Ť-
P.	Original	91	حرا		1				1	
	ž	سرا	3	ļ .	1	1	ļ		ļ	1
		17	92	ļ	<u> </u>	<u> </u>	<u> </u>	ļ	L	<u> </u>
1	$\overline{\mathbb{Q}}$	سينا	=	L	L	<u> </u>	<u> </u>	<u> </u>	<u>i</u>	<u> </u>
2	2	سا	=			1	l "	1	Γ	1
					Γ	1	T		П	1
2	4	1	=		1	 	i	ऻ──	1-	
U	5	J	=		ऻ	†—	 	 	t	
326	6	1	_		├	├		┼	├	├
=	-	<u></u>	=		├	├	├	├	 	
	1	├			ļ		ļ	ļ	├	
	1			<u> </u>	├	ـــ		┞	<u> </u>	ļ
<u> </u>	_g	ļ	<u> </u>	<u> </u>	<u> </u>	<u> </u>	!	Ļ	<u></u>	
6	1 (1)	<u></u>	=	<u> </u>	<u> </u>	ļ	ļ	ļ	<u> </u>	
17	11	Ξ	=	L		ļ	L	<u>L</u>	L	
8	12	=	=					1		
	18	L				1		L	L	
	¥.				Ī	T	Π			
						Π		Γ''''	Ι	
91	16		=					T		
	1		<u> </u>			_		 	_	
IO	16 16		۱≡			_		_	 	-
μ۷	ij	-				-	-	-	├	-
-	Ø		 			-		-	-	-
100	24		-	-	-					-
12	41	4						-		<u> </u>
μц,	21 22 22	~	<u> </u>			-		 		_
-	4							ļ		
	3		ļ			ļ		<u> </u>		
	3 ¶_		ļ			ļ	<u> </u>			
<u></u>	31		<u> </u>			<u></u>			<u> </u>	ļ
						ļ			<u> </u>	ļ
	24					<u></u>		L.,	<u> </u>	
123	29	=	11 11							
14	30	=	=		L		L			
15	31	_	=							
	32	Ξ	≂		L					
16	33		=							
	34									
	1									
	1									
	3					·				
198	30	=	=							-
a	স্থ		=		—			_	_	-
1 2 2 2 2	40	=	=	_		-	-			
						-		-	-	\vdash
\vdash	8			-	-	-	-	-		⊢⊦
2.1	43)	=	_	-		-		H		
	321	=	11	-				 	-	
23	44 45	_	_		ļ	ļ	-	ш	<u> </u>	
[23]	45.1	_	11			ļ	<u> </u>			
	52.			<u>'</u>				L		
24		ų	ħ							
\Box	-									
	50		-							

	Claim					Date			,	·
Final	Ortginst								-	
	51		_		T.			l	_	!
	52		1		_					_
	53		 		_					!
	54		 						-	
	55		1						_	
	56	_	_						-	
-	57	-	_			-		-		
	5B		-					_		Ι
-	59								_	-
	60		_					_	-	-
-	61		┢					-		
	62		_						_	_
	63		_	Н		-				_
	64		 							_
	55		-			-				-
Н	66	_	1							┢
	67								_	├──
	58				_			_		-
	69		-		_					-
-	70		-			Н		\vdash		\vdash
	71						-			-
-	72	-	 							┢─
-	73		-	-				-		
	74		-			-		_		-
-	75		-			-		-		-
	76		-					-		-
-	77		 	-	-	-				-
	78		├	-		-		-		
	79		-	-	-	-		-	-	-
	80	_	 		-				-	
	B1		 	·				-	-	_
	82			-		-		-	-	Ι
	83		·		_	_			_	-
	84									_
	85		-			-			-	-
	86									
	87							_	_	<u> </u>
	88							_	_	
	89							-	_	_
	90		<u> </u>	_					_	
	91	_		_	_					-
	92		_	_		-			_	_
-	93	-	 	 -		_		1	_	
-	94		<u> </u>	-	М				1	
	95	-	\vdash		-					ا
	96		 	 	H	H-1	-	-		├
	97		-			-		┝┯┥	-	├
			-	 		┝╼┤	-		-	
	98 99		-			\vdash		┝━┥	-	├
-	100		-			\vdash		-		├

Through numeral) Consoled Through numeral) Consoled Bustricked Hon-clocked	EYMBOLS	. Nation red
Neathcled Non-clecked	.,,	. Alternal
	l <i></i>	. Hon-clected
Appeal	l	Aspeal

EXHIBIT PP



United States Patent Office

3,047,347 Patented July 31, 1962

1

3,047,347
CONTROLLING MOVEMENT OF ARTICLES
Robert C. Groves, 335 Aberdeen Ave., Dayton, Ohio
Filed Apr. 25, 1955, Ser. No. 503,769
3 Claims. (Cl. 312—39)

This invention relates to the delivering of articles and the control thereof, and the automatic maintaining of records and accounting of the articles and material delivered.

In many dispensing, manufacturing, and packaging operations an important item of information which is desired to have available at any instant is the number of articles or amount of material that has been dispensed or handled up to a predetermined point, or the amount 15 of material or number of articles remaining out of a given group yet to be dispensed or handled.

For example, in dispensing machines, which might dispense such articles as candy bars, or packages of cigarettes or the like, it would be convenient to inspect 20 the machine and determine instantly the number of articles remaining to be dispensed.

In still other instances, as in the case of dispensing certain types of merchandise, nails for instance, it would be desirable, in order to eliminate expensive and time-consuming handling of such merchandise, to have a dispensing mechanism that could readily be adjusted to provide for the dispensing of a predetermined amount of the material being dispensed, with an accounting being kept of the amount dispensed and the amount yet remaining to be dispensed.

ing to be dispensed.

With the foregoing in mind, it is a primary object of the present invention to provide a method and apparatus for accomplishing the desirable results referred to above.

A particular object of this invention is the provision of a method and apparatus for maintaining a continuous inventory of material being dispensed from a dispensing device.

In general, the objectives of this invention are attained 40 by utilizing a punched strip which is in positive engagement with a driving or driven member whereby the movement of the strip and movement of the member is positively correlated.

The punched strip is either in the form of a carrier of the articles or material being moved or dispensed, or may form a part of the said articles or material. The driving or driven member either drives the punched strip or is driven thereby, and in either case can be utilized for operating a counter or other quantity indicator, or for actuating a limit control which determines the amount of movement of the punched strip, or may be utilized for controlling the movement of another article or material which is to be combined with the articles or material associated with the punched strip.

The several objects and advantages of this invention will become more apparent upon reference to the following specification, taken in connection with the accompanying drawings, in which:

FIGURE 1 is a more or less diagrammatic perspective view showing a coin-operated dispensing device embodying the principles of my invention:

bodying the principles of my invention; FIGURE 2 is a perspective view showing a carrier strip adapted for being handled in the dispensing device of FIGURE 1;

FIGURE 3 is a perspective view showing the driving device which drives the punched carrier strip of FIGURE 2:

FIGURE 4 is a section on line 4—4 of FIGURE 3 showing a one-way drive clutch forming a part of the drive train leading to the member which engages the punched carrier strip in FIGURE 3; and

يين ميساميس فرزيه ولينيازها يارج عربارها ساروه فروق فارم فللمعاور وحجر فيبرف فارقرق فارماره فارتاق فيلاف فالدواري

2

FIGURE 5 is a diagrammatic view of an electric control circuit adapted for being associated with the drive train of FIGURE 3.

Referring to the drawings somewhat in more detail,
5 FIGURE 1 illustrates a dispensing device of the coinoperated type which is adapted for dispensing articles
that are mounted on a punched carrier strip. Articles
to be dispensed in this manner may comprise substantially anything of a size small enough to be packaged in
10 continuous strips and of such a nature as to lend themselves to being dispensed in this manner.

In FIGURE 1 the device comprises a frame 20 having a compartment 22 therein, within which is disposed a plurality of strips 24 carrying the articles to be dispensed. Strips 24, as will be seen in FIGURE 2, are perforated along at least one side edge as at 26, and the carrier strip is also perforated by the perforations 23 at regular intervals between the articles 30 that are carried by the carrier strips. The carrier strip is preferably in the form of two webs or filaments, on which the articles are placed and with the webs or filaments being joined or scaled together between the articles and at their side edges, and with the perforations 28 extending across the scaled portions of the carrier strip.

According to this invention the carrier strip is provided with printed numbers or other indicin 31 thereon which indicate either the number of articles that have been dispensed from a strip or the number of articles yet remaining in a carrier strip to disdispensed. This enables the carrier strip to be made up in lengths of, say, 100 articles, and a cursory inspection of the dispensing device will, at any time, show whether or not is needs refilling.

According to this invention the perforations 26 along the side edges of the carrier strips 24, of which there may be several different types in the device of FIGURE 1, are utilized for driving the strips in the directions of their length to provide for the dispensing thereof from the device. An arrangement for controlling the movement of one of the strips is illustrated in FIGURE 3, with the electric control circuit therefor being illustrated in FIGURE 5.

In FIGURE 3 a pinwheel 32 having pins 34 engages the perforations 26 on one, or both, side edges of the particular carrier strip 24 so that rotation of pinwheel 32 will drive the carrier strip in the direction of its length.

It is preferred for the dispensing device of FIGURE 1 to be of the coin-operated type, and to this end automatic means are provided for rotating the pinwheel 32. This means takes the form of the one-way clutch 36 which connects shaft 38 of pinwheel 32 with shaft 40 which, in turn, is connected through gearing 42 with drive motor M and a counter 44.

The portion of clutch 36 that is connected with shaft 38 is provided with a notched periphery which is adapted 5 for engagement by the latch member 46 which normally prevents rotation of the pinwheel in its dispensing direction, but which is adapted for being withdrawn by energization of solenoid S1 to permit rotation of the pinwheel. This prevents pulling of the carrier strip from 0 the dispensing device manually.

The electric circuit for energizing motor M is illustrated in FIGURE 5. This circuit comprises means for seeleting different amounts of rotation of motor M to provide for different lengths of dispensed carrier strips.

This is a desirable feature in a coin-operated dispensing device, because a coin drop as at 50 may be provided thereon for receiving coins of different denominations, which will bring about the dispensing of corresponding lengths of the carrier strip. Such a coin-operated device might be adapted for receiving coins of 5 cents, 10 cents, or 25 cents denominations.

The coin drop is arranged, according to conventional

practices; for a 5 cent coin disposed therein to momentarily close a limit switch LS1; for a 10 cent coin disposed therein to momentarily close a limit switch LS2; and for a 25 cent coin disposed therein to momentarily close a limit switch LS3.

The limit switches have associated therewith the relays R1, R2, and R3, respectively, which close during the interval that the pertaining coin-operated limit switch is closed. Each of the said relays has a blade connected to energize a coil of the main relay R4 when closed and also energizes solenoid S1. Main relay R4 has a blade thereon for accomplishing the energization of motor M when the said relay is closed.

Each of relays R1, R2, and R3 has a holding circuit leading through a normally open blade of the retaining 15 relay, and located in the circuits are the normally closed limit switches LS4, LS5, and LS6, respectively. These limit switches have associated therewith the came 60, 62 and 64, respectively.

The cams are mounted on shaft 40 so that rotation of 20 the shaft will rotate the cams. Each of the cams is provided with a raised portion and a valley, with the valleys differing in length so that each of the limit switches LS4, LS5 and LS6 will open in response to a different amount of angular movement of shaft 40; the smallest movement being required to open LS4; twice as much movement being required to open LS5; and five or six times as much movement being required to open LS6.

A preset torsion spring arrangement 66 is provided which, upon de-energization of motor M, will drive shaft 40 back to its starting position, at which time a stop pin 68 associated with the shaft strikes a stationary abutment 70. This will position the shaft so that each of the cams 60, 62 and 64 will have the actuating element of the pertaining limit switches LS4, LS5, or LS6 at the beginning of 35 the valley portion thereof.

Operation of the Circuit of FIGURE 5

The operation of the circuit FIGURE 5-is as follows: With the circuit at rest, solenoid S1 is deenergized and 40 this permits latch member 46 to engage the ratchet wheel and to lock shart 38 against forward rotation. The machine is placed in operation by inserting a coin in the coin receiver 50 and, depending upon the size of the coin, one of limit switches LSI, LS2 or LS3 will be closed. Depending on which one of the said limit switches are closed, one of relays R1, R2, or R3 will be closed. Whichever relay is closed, a holding circuit will be established therefor through one of its own blades while simultaneously, solenoid S1 will be energized to withdraw latch 46 and also relay R4 will be energized to close its blade which will cause energization of motor M. Energization of motor M will cause driving of shaft 40 and through the one way drive coupling, which includes the ratchet 36. will drive shaft 38. The amount of rotation imparted to the shafts will be determined by the actuation of the one of the limit switches LS4, LS5, and LS6 which pertains to the one of the limit switches LS1, LS2, or LS3 which was closed by the coin actuated device. When the pertaining limit switch is actuated, the holding circuit for the energized relay is opened and this will bring about deenergization of the relay while simultaneously the solenoid SI will be deenergized and also the energizing coil of relay R4. The motor M is thus deenergized and the latch 46 is released to its latching position and the torsion spring 66 at that time will snap the shaft 40 back to its starting position, at which time finger 68 will engage stop 70. The counter 44 also embodies a one way drive so that it will register the amount of forward rotation of shaft 40 but will not be influenced by the reverse rotation thereof.

By the described arrangement there is provided a novel dispensing device for articles packaged according to my invention on continuous carrier strip means having one or more rows of perforations thereon, and with selective 75 control being provided to determine the amount of movement of each carrier strip handled by the dispensing device. Each actuating mechanism for each carrier strip also includes a counter so that a continuous over-all indication of the number of each article dispensed is available.

4

The arrangement just described has the perforations along the strip varying in simple numerical ratio to the articles carried by the strip. In the strip illustrated in FIGURES 2 and 3 this numerical ratio is two perforations for each article. It will be apparent, however, that, in the interest of economy or to provide a compact strip which will require the minimum of storage space, the articles might be located on the strip in as close association as possible without regard to the maintaining of a simple numerical ratio between the number of articles and the number of perforations. In dispensing articles carried on strips of this nature it is necessary to provide for a length of feed of the carrier strip.

It will be understood that this invention is susceptible to modification in order to adapt it to different usages and conditions and, accordingly, it is desired to comprehend such modifications within this invention as may fall within the scope of the appended claims.

I claim:

1. În a dispensing device; a frame, a discharge opening therein, said device being adapted for feeding a tubular carrier strip within said frame through said discharge opening, said carrier strip having punched holes distributed uniformly along the length thereof, a driving pinwheel having pins adapted for engaging said series of punched holes, a motor for driving said pinwheel, a oneway drive between the motor and pinwheel, means for controlling the energization of said motor to control the feeding of said strip from said device, said last-mentioned means comprising a plurality of cam means connected with said motor to move in unison with the motor, a limit switch under the control of each said cam means, each switch being actuated by its respective cam means in a different rotated position of said motor, a relay pertaining to each switch, each switch being operable to deenergize its pertaining relay when actuated, each relay being connected with the motor so energization of any of the relays will energize the motor, coin-operated means for selectively energizing said relays thereby seelctively making said limit switches effective for de-energizing said motor in response to a predetermined rotation, resilient means operable to return the motor to its starting position upon de-energization thereof, a latch normally effective to lock the pinwheel against rotation, and means connected to said relays operable automatically for making the latch ineffective when the motor is energized and effective when the motor is de-energized.

2. A dispensing device for dispensing tubular strips having uniformly spaced perforations along the side edges, a pinwheel drive member in the device engaging the said perforations, a motor for rotating the drive member, a plurality of cams driven by the motor so as to rotate in unison with the drive member, a one-way drive connecting the motor with drive member, a switch under the control of each said cam, each switch being actuated by its respective cam in a different rotated position of said motor, a relay in circuit with each switch adapted for being deenergized when the pertaining switch is actuated, means for selectively energizing said relays, each said relay being connected in circuit with said motor and being adapted when energized to cause energization of said motor, a latch normally engaged with said drive member operable for preventing forward rotation of said drive member, and means connected to said relays operable for withdrawing said latch from engagement with said drive member simultaneously with the energization of any of said relays.

3. A dispensing device according to claim 2 in which

8,047,347

	5		6	
there is a co	unter connected with the cams to rotate there-	2,037,825	Salfisberg Apr. 21, 193	6
with.		2,186,302	Martin Jan. 9, 194	0
References Cited in the file of this patent		2,258,912	Steen Oct. 14, 194	
		2,323,255	Sutherland June 29, 194	
	UNITED STATES PATENTS	270001001	Cooper Jan. 23, 194	
661,130	Pape Nov. 6, 1900	2,599,173	Hamilton June 3, 195	
683,660	Price Oct. 1, 1901	2,758,710	Arens Aug. 14, 195	б
1,304,974	Helsel May 27, 1919	2,767,981	Hempel Oct. 23, 195	б
1,895,899	Schaub Jan. 31, 1933 Walter Feb. 6, 1934 10	2,801,848	Taylor Aug. 6, 195	7
1.946.371	Walker Feb 6 1934 4			

EXHIBIT QQ

THIS EXHIBIT HAS BEEN REDACTED IN ITS ENTIRETY

EXHIBIT RR

THIS EXHIBIT HAS BEEN REDACTED IN ITS ENTIRETY

EXHIBIT SS

THIS EXHIBIT HAS BEEN REDACTED IN ITS ENTIRETY

...

CERTIFICATE OF SERVICE

I, Andrew A. Lundgren, Esquire, hereby certify that on December 2, 2005, I caused to be electronically filed a true and correct copy of the foregoing document with the Clerk of the Court using CM/ECF, which will send notification that such filing is available for viewing and downloading to the following counsel of record:

Jack B. Blumenfeld Esquire Morris Nichols Arsht & Tunnell 1201 North Market Street Wilmington, DE 19801

I further certify that on December 2, 2005, I caused a copy of the foregoing document to be served by hand delivery on the above-listed counsel of record.

YOUNG CONAWAY STARGATT & TAYLOR, LLP

Josy W. Ingersoll (#1088)

John W. Shaw (#3362)

Karen E. Keller (#4489)

Andrew A. Lundgren (#4429)

The Brandywine Building

1000 West Street, 17th Floor

P.O. Box 391

Wilmington, Delaware 19899-0391

(302) 571-6600

alunderen@vcst.com

Attorneys for GTECH Corporation

CERTIFICATE OF SERVICE

I, Andrew A. Lundgren, Esquire, hereby certify that on December 9, 2005, I caused to be electronically filed a true and correct copy of the foregoing document with the Clerk of the Court using CM/ECF, which will send notification that such filing is available for viewing and downloading to the following counsel of record:

> Jack B. Blumenfeld Esquire Morris Nichols Arsht & Tunnell 1201 North Market Street Wilmington, DE 19801

I further certify that on December 9, 2005, I caused a copy of the foregoing document to be served by hand delivery on the above-listed counsel of record.

YOUNG CONAWAY STARGATT & TAYLOR, LLP

Josy W. Ingersoll (#1088)

John W. Shaw (#3362)

Karen E. Keller (#4489)

Andrew A. Lundgren (#4429)

The Brandywine Building

1000 West Street, 17th Floor

P.O. Box 391

Wilmington, Delaware 19899-0391

(302) 571-6600

alundgren@ycst.com

Attorneys for GTECH Corporation

DB01:1825692.1 063055.1001